

Table 488

	PLACE1009477	13.59	11.11	12.8	10.3	9.83	6.89	8.75	11.15	10.89				
	PLACE1009493	5.63	4.68	4.85	3.04	3.33	2.25	3.06	2.29	1.49	**	**	-	-
	PLACE1009502	11.43	9.62	8.39	5.92	5.81	5.8	4.63	7.61	3.19	*	*	-	-
5	PLACE1009524	7.56	7.26	7.63	1.87	3.86	2.97	2.66	3.37	2.46	**	**	-	-
	PLACE1009527	18.34	12.36	9.71	6.88	11.49	9.95	6.88	5.14	3.52		*	-	-
	PLACE1009531	25.38	45.76	31.03	26.02	25.63	22.82	19.07	17.64	15.03			-	-
	PLACE1009535	12.3	11.08	8.3	3.83	6.2	5.84	3.36	3.71	4.06	*	**	-	-
	PLACE1009539	8.83	10.23	7.02	4.34	7.56	5.81	5.39	6.61	6.43		*	-	-
10	PLACE1009540	37.43	26.63	27.99	14.5	25.74	28.63	21	11.9	8.26			-	-
	PLACE1009542	12	5.45	5.7	3.62	4.51	6	3.18	3.69	2.67			-	-
	PLACE1009546	12.67	10.42	6.26	3.72	5.36	5.98	4.35	10.8	3.66			-	-
	PLACE1009556	7.91	6.37	6.72	5.1	4.62	3.16	3.16	2.46	2.95	*	**	-	-
	PLACE1009563	11.99	15.44	10.67	4.76	13.77	8.59	5.94	5.33	6.24	**		-	-
	PLACE1009571	7.82	9.37	5.59	3.8	7.13	3.69	5.84	2.83	4.48			-	-
15	PLACE1009573	22.09	15.96	12.31	9.76	17.27	9.7	8.26	8.91	7.87	*	*	-	-
	PLACE1009576	13.53	9.49	9.65	4.21	6.31	4.13	5.49	5.78	4.15	*	*	-	-
	PLACE1009580	9.86	9.33	7.56	5.13	7.69	4.5	8.75	3.59	4.85			-	-
	PLACE1009581	12.95	12.1	8.15	7.19	5.84	4.99	3.45	2.48	3.53	*	**	-	-
	PLACE1009587	13.3	7.18	8.26	7.06	6.26	5.41	3.85	4.9	4.28			-	-
	PLACE1009593	18.08	14.97	12.54	14.73	10.76	9.75	5.8	5.66	6.75	**		-	-
20	PLACE1009595	24.28	22.3	15.19	12.22	14.76	12.77	19.19	14	13.81			-	-
	PLACE1009596	8.31	5.39	3.71	3.49	5.52	2.24	4.95	2.48	3.3			-	-
	PLACE1009600	19.52	17.07	12.01	6.69	8.79	3.99	8.49	7.24	8.2	*	*	-	-
	PLACE1009604	19.98	10.38	8.96	4.18	6.3	6.58	3.83	5.54	4.55			-	-
	PLACE1009607	17.2	18	14.19	8.35	9.63	7.56	19.54	17.62	14.33	**		-	-
	PLACE1009613	8.31	8.44	6.06	5.1	6.18	4.22	4.39	2.55	3.96	*	*	-	-
25	PLACE1009621	18.02	17.88	15.95	7.12	14.76	8.85	8.46	6.45	12.83	*	*	-	-
	PLACE1009622	16.93	9.51	8.44	5	5.84	4.46	4.96	3.18	4.88			-	-
	PLACE1009624	23.04	19.02	15.23	8.31	9.71	5.05	7.94	5.67	7.85	*	**	-	-
	PLACE1009637	8.58	7.93	7.76	3.81	7.55	4.55	3.93	3.27	4.29	**		-	-
	PLACE1009639	14.9	6.92	3.57	7.62	5.31	8.34	6.06	5.69	7.84			-	-
	PLACE1009654	23.03	16.88	13.87	7.6	11.88	8.66	7.4	8.09	10.22	*	*	-	-
30	PLACE1009659	17.62	16.71	15.38	8.59	15.54	12.83	6.78	8.01	7.95	**		-	-
	PLACE1009665	13.55	12.11	8.08	5.71	10.66	10.87	8.53	10.59	6.01			-	-
	PLACE1009669	10.91	11.58	11.44	5.71	8.38	5.23	8.32	8.02	8.98	**	**	-	-
	PLACE1009670	10	4.03	5.32	3.93	4.76	8.45	5.57	4.18	5.29			-	-
	PLACE1009708	13.41	10.39	7.63	11.97	12.63	3.57	6.84	3.75	9.58			-	-
35	PLACE1009721	15.79	10.82	9.31	5.16	6.62	4.42	9.11	3.24	6.91	*		-	-
	PLACE1009731	5.6	6.57	11.06	5.5	8.58	5.78	5.45	4.8	9.13			-	-
	PLACE1009735	9.43	10.36	12.52	8.67	8.77	6.91	8.15	10.58	12.7			-	-
	PLACE1009737	8.36	8.02	10.98	5.74	17.02	9.89	4.98	11.47	4.66			-	-
	PLACE1009741	8.67	7.59	11.34	6.59	7.8	4.16	2.63	4.89	4.5	*		-	-
	PLACE1009752	9.51	12.78	18.39	7.46	12.57	11.15	4.36	9.17	6.85			-	-
40	PLACE1009763	16.81	19.39	15.73	12.5	15.24	13.69	4.1	8.02	6.41	**		-	-
	PLACE1009766	7.54	8.76	7.16	6.98	11.81	6.16	9.17	7.21	6.61			-	-
	PLACE1009772	12.62	18.28	13.46	16.58	26.84	15.97	7.94	11.57	13.51			-	-
	PLACE1009782	7.96	6.95	7.99	4.24	6.2	9.33	6.26	4.41	4.35	*		-	-
	PLACE1009794	8.71	9.98	15.31	6.91	7.94	5.64	5.81	8.68	9.35			-	-
	PLACE1009798	15.7	11.58	19.23	8.55	9.28	7.81	5.76	14.83	6.68	*		-	-
45	PLACE1009845	5.69	8.07	10.29	5.79	6.81	9.4	3.27	3.21	4.35	*		-	-
	PLACE1009849	4.29	6.11	7.54	5.25	6.21	5.82	3.81	4.56	5.57			-	-
	PLACE1009857	5.97	7.92	9.09	4.47	4.42	3.88	4.36	2.37	3.86	*	*	-	-
	PLACE1009861	21.52	19.65	20.31	10.08	12.87	8.67	13.97	16.84	16.62	**	*	-	-
	PLACE1009872	225.97	496.72	352.07	405.22	548.08	335.22	583.26	839.73	801.36	*		-	-
	PLACE1009877	93.23	95.23	121.84	37.51	29.99	31.46	33.83	34.28	50.76	**	**	-	-
50	PLACE1009879	8.31	6.4	8.23	4.6	3.94	4.45	5.4	6.04	6.14	**		-	-
	PLACE1009886	6.21	5.71	6.04	3.1	4.43	3.64	3.76	3.74	3.91	**	**	-	-
	PLACE1009888	16.61	15.12	18.96	7.12	11.3	10.4	7.67	15.82	6.68	*		-	-
	PLACE1009908	10.69	13.22	16.94	7.9	15.1	13.2	5.89	21.59	11.16			-	-
	PLACE1009919	18.85	20.8	15.18	25.14	44.25	16.53	6.38	10.08	17.42			-	-
	PLACE1009921	12.5	11.43	13.89	6.9	11.45	10.84	6.74	7.53	6.61	**		-	-
55	PLACE1009923	37.38	53.14	35.03	28.71	69.72	45.4	23.4	36.13	28.69			-	-
	PLACE1009924	26.03	16.67	21.48	6.94	14.99	12.69	29.73	40.32	10.81			-	-
	PLACE1009926	10.23	25.64	14.3	6.85	14.35	14.82	6.32	35.83	7.94			-	-

Table 489

	PLACE1009931	29.02	24.07	26.54	12.24	15.5	14.51	9.57	9.79	10.08	**	**	-	-
	PLACE1009935	8.86	7.44	9.7	2.78	11.02	5.42	14.95	3.43	6.35			-	-
	PLACE1009947	6.29	6.77	9.33	4.25	4.43	3.14	2.04	2.93	4.01	*	*	-	-
5	PLACE1009961	7.86	10.21	16.93	5.24	6.64	4.49	4.58	6.45	5			-	-
	PLACE1009971	7.79	7.18	10.26	3.38	7.18	3.34	3.67	4.69	3.08	*	*	-	-
	PLACE1009982	20.35	18.31	15.25	6.6	11.54	11.1	7.87	5.59	13.47	*	*	-	-
	PLACE1009992	12.32	8.01	11.62	6.39	8	6.72	5.24	5.76	6.38	*	*	-	-
	PLACE1009995	21.27	22.11	27.33	13.99	19.4	11.61	8.12	16.7	12.66	*	*	-	-
10	PLACE1009997	23.76	8.03	15.66	6.79	12.9	5.63	10.63	9.44	8.19			-	-
	PLACE1010002	14.56	6.35	12.19	4.66	8.08	5.35	5.32	14.28	7.75			-	-
	PLACE1010011	15.51	14.11	17.86	6.19	7.34	6.29	9.9	6.46	10.43	**	*	-	-
	PLACE1010013	6.16	5.13	12.68	2.37	2.99	1.56	3.53	4.24	2.98			-	-
	PLACE1010021	15.95	20.29	19.12	7.11	14.51	9.31	5.22	8.04	6.15	*	**	-	-
	PLACE1010023	27.49	31.11	21.32	17.41	29.7	20.44	16.49	7.28	6.33	*		-	-
15	PLACE1010031	20.87	15.58	32.54	10.16	16.34	7.15	9.85	8.36	10.28			-	-
	PLACE1010039	20.5	6.62	10.22	3.99	6.51	3.25	2.91	6.23	3.6			-	-
	PLACE1010045	11.17	9.8	13.16	5.75	8.43	6.1	5.11	5.8	5.51	*	**	-	-
	PLACE1010053	7.04	5.22	9.04	6.47	4.19	2.39	2.32	2.12	1.16	*		-	-
	PLACE1010060	18.9	18.89	15.21	7.4	8.59	8.37	12.03	13.21	10.77	**	*	-	-
20	PLACE1010069	10.06	6.9	13.66	5.33	6.93	4.79	2.86	4.42	3.79	*		-	-
	PLACE1010070	8.15	7.09	9.72	2.34	9.93	4.09	3.65	3.87	2.87	**		-	-
	PLACE1010074	63.56	56.74	39.11	24.21	42.72	26.72	25.32	15.29	17.22	*		-	-
	PLACE1010076	60.58	44.35	55.45	21.22	23.2	19.4	13.41	12.75	17.59	**	**	-	-
	PLACE1010078	13.76	11.23	14.35	6.69	10.2	8.63	4.38	4.87	4.45	*	**	-	-
	PLACE1010081	27.34	19.16	21.57	12.55	15.05	11.39	11.73	7.47	11.77	*	*	-	-
25	PLACE1010083	7.1	7.48	5.64	1.97	2.64	2.62	1.69	2.61	1.96	**	**	-	-
	PLACE1010089	11.95	9.65	9.57	5.5	5.81	4.38	4.84	2.48	4.43	**	**	-	-
	PLACE1010096	14.85	29.75	16.35	5.81	14.35	9.63	7.28	8.67	5.49			-	-
	PLACE1010102	22.29	34.08	23.15	9.26	16.03	13.51	7.63	9.06	7.61	*	**	-	-
	PLACE1010105	18.16	20.35	15.89	6.52	12.73	7.6	4.02	4.82	4.1	*	**	-	-
	PLACE1010106	19.44	22.57	15.73	8.29	8.94	12.84	10.96	10.43	10.44	*	*	-	-
30	PLACE1010130	6.82	6.56	4.7	3.25	3.39	2.18	3.26	3.47	3.87	*	*	-	-
	PLACE1010132	20.18	25.39	20.56	20.18	19.1	12.29	12.71	11.47	12.5	**		-	-
	PLACE1010134	10.35	11.42	9.66	6.05	6.05	5.55	6.72	4.12	2.88	**	**	-	-
	PLACE1010139	74.68	88.11	79.85	37.26	51.16	43.94	15.68	26.17	18.6	**	**	-	-
	PLACE1010148	10.48	7.43	9.71	13.14	7.54	4.86	3.27	4.13	7.63			-	-
	PLACE1010155	9.79	7.58	7.63	3.3	5.89	2.96	2.11	2.26	2.53	*	**	-	-
35	PLACE1010156	32.59	25.06	24.61	14.7	18.09	11.09	7.29	10.58	14.48	*	**	-	-
	PLACE1010161	8.48	13.16	10.69	5.15	8.21	6.03	4.47	3.31	5.46	*		-	-
	PLACE1010181	8.66	8.08	6.51	2.62	6.54	5.02	3.74	4.12	2.93	**	**	-	-
	PLACE1010184	8.57	7.46	6.67	3.93	4.98	3.84	2.86	2.08	2.37	**	**	-	-
	PLACE1010202	8.39	6.76	12.45	8.31	10.9	5.79	3.56	3.42	2.04	*		-	-
	PLACE1010231	12.97	10.31	14.49	7.96	15.61	7.14	8.93	9.42	8.37	*		-	-
40	PLACE1010235	12.62	15	11.24	4.59	11.54	4.53	6.11	5.14	4.76	**	*	-	-
	PLACE1010237	5.04	3.77	4.4	2.18	2.37	2.25	2.72	0.64	1.32	**	*	-	-
	PLACE1010251	9.46	4.47	6.29	5.09	4.79	10.14	3.78	5.92	3.88			-	-
	PLACE1010261	8.26	6.41	4.7	3.42	2.86	2.61	4.52	5.73	4.64	*		-	-
	PLACE1010270	7.53	8.07	6.36	3.29	6.44	3.19	3.88	4.95	3.8		**	-	-
	PLACE1010273	8.97	10.55	5.7	2.72	5.68	3.04	2.78	2.04	3.83	*		-	-
45	PLACE1010274	20.97	18.72	29.56	10.88	16.29	14.38	6.73	5.73	6.16	**		-	-
	PLACE1010277	15.29	14.99	14.3	8.87	13.93	8.53	11.24	4.25	6.68	*		-	-
	PLACE1010293	16.94	20.61	17.07	9.41	11.63	8.24	17.5	8.1	13.23	**		-	-
	PLACE1010297	38.08	33.94	34.95	17.91	31.69	15.63	31.8	20.1	25.32			-	-
	PLACE1010300	21.55	15.58	11.87	9.15	8.78	7.88	3.82	5.36	5.08	*		-	-
50	PLACE1010310	323.02	293.14	231.29	170.36	221.96	136.69	214.56	235.35	207.22	*		-	-
	PLACE1010321	10.7	10.58	7.81	4.98	7.93	6.91	5.6	6.6	6.56	*	*	-	-
	PLACE1010324	6.25	5.69	6.54	2.88	4.51	2.6	4.43	3.34	2.72	*	**	-	-
	PLACE1010329	14.25	11.37	11.93	5.93	10.64	4.89	9.64	9.84	9.32	*		-	-
	PLACE1010330	12.28	14.21	10.49	11.84	10.18	7.63	12	7.94	17.86			-	-
	PLACE1010335	27.7	52.66	38.23	18.39	9.7	13.5	16.61	15.38	28.61	*		-	-
	PLACE1010341	6.44	4.91	4.72	2	3.7	1.35	4.14	2.93	4.21	*		-	-
55	PLACE1010342	2.35	2.93	2.85	2.16	1.61	1.84	1.14	1.19	0.83	*	**	-	-
	PLACE1010346	10.42	6.88	7.23	4.08	5.74	2.77	5.84	6.92	5.88	*		-	-
	PLACE1010362	13.25	8.57	9.24	6.56	7.06	3.39	11.5	13.76	14.05			-	-



Table 490

	PLACE1010364	11.29	7.43	7.22	2.26	3.51	2.16	4.95	3.65	4.16	*	*	-	-
	PLACE1010368	10.78	8.61	7.03	3.98	6.56	5.19	7.58	7.15	5.73	*	*	-	-
5	PLACE1010373	30.2	28.61	24.17	14.82	22.58	10.46	24.63	20.09	20.87	*	*	-	-
	PLACE1010383	18.56	18.15	16.04	10	15.54	3.52	27.13	12.41	12.03	*	*	-	-
	PLACE1010385	2.48	1.73	1.16	0.83	2.33	0.49	2.65	1.19	2.06	*	*	-	-
	PLACE1010389	8.48	7.51	8.42	3.76	4.47	5.47	3.96	4.51	2.91	**	**	-	-
	PLACE1010401	3.24	0.96	4.6	2.29	2.49	1.63	2.81	2.31	1.6	*	*	-	-
	PLACE1010410	22.91	15.39	21.28	8.31	20.95	12.79	12.79	10.9	11.3	*	*	-	-
10	PLACE1010418	18.78	19.01	17.17	5.75	13.45	6.67	11.25	18.37	11.11	*	*	-	-
	PLACE1010425	10.58	10.75	18.36	4.2	4.88	3.19	8.87	11.17	8.75	*	*	-	-
	PLACE1010443	12.48	14.66	16.77	5.6	14.99	6.09	8.79	8.23	11.76	*	*	-	-
	PLACE1010445	36.17	45.7	37.43	17.56	20.28	18.29	39.23	32.46	41.56	**	**	-	-
	PLACE1010481	60.4	46.95	65.37	22.92	26.42	21.44	27.71	30.53	27.4	**	**	-	-
	PLACE1010482	127.4	82.31	84.53	104.64	120.51	109.85	62.48	50.87	49.97	*	*	-	-
15	PLACE1010491	71.28	72.3	73.41	43.51	47.95	35.09	68.63	86.51	74.84	**	**	-	-
	PLACE1010492	20.32	20.74	19.72	20.62	27.04	23.27	9.07	12.55	10.15	**	**	-	-
	PLACE1010509	11.2	13.07	17.83	8.18	12.58	8.24	5.79	8.34	7.68	*	*	-	-
	PLACE1010518	9.76	12.31	18.67	8.17	8.57	7.5	8.04	6.33	6.73	*	*	-	-
	PLACE1010522	8.32	9.35	9.63	6.71	11.42	6.63	5.37	5.88	7.65	*	*	-	-
20	PLACE1010529	13.09	22.15	14.64	11.31	17.05	8.58	7.61	9.45	9.29	*	*	-	-
	PLACE1010547	36.79	34.33	38.34	12.39	16.81	11.19	21.21	24.3	23.05	**	**	-	-
	PLACE1010560	10.15	9.34	9.56	6.09	4.54	5.89	6.02	5.35	6.13	**	**	-	-
	PLACE1010562	4.79	4.39	12.01	8.8	8.65	6.38	6.41	7.48	4.4	*	*	-	-
	PLACE1010579	74.54	67.98	59.08	46.33	48.92	48.24	56.27	84.49	60.31	*	*	-	-
	PLACE1010580	38.79	45.7	46.75	22.24	30	17.17	31.95	38.27	36.2	*	*	-	-
	PLACE1010599	29.35	25.54	32.71	12.61	15.12	14.18	19.83	24.34	23.16	**	**	-	-
25	PLACE1010606	31.76	30.37	40.62	15.46	19.15	14.23	22.77	25.83	28.81	**	**	-	-
	PLACE1010616	16.39	26.11	18.04	12.86	17.78	7.33	3.49	3.67	4.92	**	**	-	-
	PLACE1010622	9.08	4.75	12.08	2.52	4.26	2.63	11.54	11.12	6.28	*	*	-	-
	PLACE1010624	292.79	228.16	204.46	212.8	278.86	210.51	166.11	171.99	155.01	*	*	-	-
	PLACE1010628	48.66	44.83	51.05	27.25	26.82	37.41	15.79	19.04	21	*	**	-	-
30	PLACE1010629	19.03	17.43	20.71	12.12	16.38	15.36	14.93	10.66	11.67	*	*	-	-
	PLACE1010630	15.62	16.61	29.46	8.82	19.7	10.88	11.96	14.1	11.42	*	*	-	-
	PLACE1010631	22.99	34.46	25.54	20.07	21.82	17.69	19.23	10.89	16.98	*	*	-	-
	PLACE1010651	8	10.03	11.34	5.4	9.54	5.75	4.35	5.43	5.06	**	**	-	-
	PLACE1010661	13.76	16.34	32.78	7.67	13.64	27.31	6.28	10.55	7.26	*	*	-	-
	PLACE1010662	28.68	22.75	30.53	8.67	12.27	9.85	25.45	28.04	24.56	**	**	-	-
35	PLACE1010668	37.33	37.7	40.55	22.62	25.66	20.72	36.78	44.21	37.46	**	**	-	-
	PLACE1010702	12.3	6.26	13.51	6.5	7.73	5.88	8.16	17.08	6.46	*	*	-	-
	PLACE1010709	70.65	75.49	68.95	55.09	47.9	57.04	50.07	52.69	55.39	**	**	-	-
	PLACE1010713	80.41	68.48	77.71	36.46	48.82	48.26	28.63	32.14	23.64	**	**	-	-
	PLACE1010714	14.85	12.78	15.24	4.19	7.98	4.28	3.33	8.97	5.69	**	*	-	-
	PLACE1010716	10.07	15.73	17.8	4.88	22.94	9.1	5.99	13.73	3.7	*	*	-	-
40	PLACE1010717	16.27	25.02	15.64	13.63	18.64	10.49	10.76	15.16	3.55	*	*	-	-
	PLACE1010720	27.49	32.65	34.2	14.65	18.34	8.25	20.45	22.85	22.74	**	*	-	-
	PLACE1010739	32.05	33.62	24.71	15.33	21.42	15.16	17.5	28.68	18.95	*	*	-	-
	PLACE1010743	44.76	28.81	34.77	15.52	24.11	19.41	14.02	9.67	5.8	*	**	-	-
	PLACE1010752	26.13	19.45	22.02	11.29	9.49	11.37	16.27	24.35	13.97	**	**	-	-
	PLACE1010761	15.13	12.05	32.55	15.98	9.45	8.78	11.14	13.99	12.89	*	*	-	-
45	PLACE1010771	28.91	75.96	37.99	25.83	90.51	39.2	31.02	18.86	25.47	*	*	-	-
	PLACE1010784	98.45	116.91	93.11	48.56	63.14	52.26	30.32	31.37	33.38	**	**	-	-
	PLACE1010786	16.19	15.53	16.87	8.23	15.52	9.85	7	6.49	9.87	**	**	-	-
	PLACE1010789	46.25	33.26	40.6	14.8	19.17	10.09	44.64	47.22	35.88	**	**	-	-
	PLACE1010800	13.97	9.78	14.67	8.91	6.6	5.82	4.05	5.43	4.76	*	**	-	-
	PLACE1010802	13.35	16.74	27.18	16.21	23.96	4.91	12.32	5.78	37.85	*	*	-	-
50	PLACE1010811	26.9	21.58	31.28	13.09	18.01	12.69	11.33	11.86	10.25	*	**	-	-
	PLACE1010813	10.21	6.96	9.67	4.84	4.38	4.87	3.92	2.83	2.64	*	**	-	-
	PLACE1010827	10.79	10.81	12.05	5.43	7.46	5.87	6.65	5.02	3.76	**	**	-	-
	PLACE1010833	9.18	9.98	8.82	3.14	6.94	3.42	1.97	2.07	1.97	*	**	-	-
	PLACE1010839	24.14	30.08	20.18	11.7	20	12.82	16.21	11.13	15.42	*	*	-	-
	PLACE1010856	15.47	10.08	17.88	6.16	6.58	4.26	11.23	8.32	12.26	*	*	-	-
55	PLACE1010857	32.67	31.48	18.71	21.99	18.34	15.41	16.23	15.82	15.61	*	*	-	-
	PLACE1010870	5.83	4.92	4.28	3.87	3.55	2.92	2.91	2.04	1.94	*	**	-	-
	PLACE1010877	26.07	20.6	20.89	14.13	8.42	9.71	13.42	12.71	7.25	**	*	-	-

Table 491

	PLACE1010882	17.06	13.54	8.42	6.17	5.69	5.82	7.13	5.03	5.37	*	-
	PLACE1010891	27.43	30.32	21.15	13.46	14.41	7.46	15.38	15.07	24.71	*	-
5	PLACE1010896	13.62	18.23	16.16	6.92	8.03	5.78	3.54	4.62	4.06	**	**
	PLACE1010900	66.6	75.65	67.62	55.68	59.03	45.47	67.12	53.92	39.14	*	-
	PLACE1010916	104.52	71.53	76.5	35.13	35.16	33.1	29.84	23.73	27.17	**	**
	PLACE1010917	14.21	14.67	11.27	7.82	5.59	7.41	7.69	7.06	8.76	**	**
	PLACE1010924	5.86	2.7	4.5	2.89	4.47	3.08	2.47	3.1	1.31	*	-
	PLACE1010925	4.94	4.55	4.99	1.88	2.53	1.67	3.09	1.89	1.78	**	**
10	PLACE1010926	13.94	11.16	11.63	5.87	7.64	6.22	5.6	4.23	4.29	**	**
	PLACE1010942	207.77	196.21	175.46	147.15	130.24	102.36	197.42	120.16	123.73	*	-
	PLACE1010943	31.5	26.2	22.98	12.49	22.16	9	15.12	16.22	13.62	*	-
	PLACE1010944	83.2	92.75	68.43	51.82	78.63	47.87	87	58.47	73.16	*	-
	PLACE1010947	33.76	22.26	22.3	12.84	13.89	8.22	22.66	11.99	13.89	*	-
	PLACE1010954	10.33	11.3	11.05	5.3	5.81	5.51	5.34	5.12	4.22	**	**
15	PLACE1010960	15.62	30.44	20.31	7.94	8.28	7.04	11.37	9.05	8.5	*	-
	PLACE1010965	13.17	14.34	9.79	7.54	4.78	3.78	4.15	4.73	5.18	*	**
	PLACE1010968	18.41	14.95	14.27	6.84	9.6	5.59	12.62	6.34	9.37	**	*
	PLACE1010978	57.65	54.74	36.05	40.68	34.09	13.7	16.85	10.36	20.32	*	-
	PLACE1010982	21.44	26.06	15.9	7.42	6.54	11.09	10.66	7.85	9.32	*	-
	PLACE1010990	327.98	344.55	256.15	258.07	367.78	240.66	208.45	171.08	173.44	*	-
20	PLACE1011017	100.16	59.4	54.99	23.72	27.4	15.8	91.94	75.46	99.74	*	-
	PLACE1011019	13.37	8.64	6.46	8.37	6.37	4.79	6.61	7.41	7.81	*	-
	PLACE1011026	17.67	16.91	13.69	8.74	11.48	8.93	15.71	13.37	15.94	*	-
	PLACE1011032	5.5	8.88	7.51	2.84	5.75	2.99	4.5	3.38	3.21	*	-
	PLACE1011041	11.32	11.72	11.41	4.79	6.17	4.9	2.74	0	1.85	**	**
	PLACE1011045	30.68	27.07	24.09	20.73	22.77	14.24	25.88	22.96	30.06	*	-
25	PLACE1011046	10.75	10.03	9.15	3.68	6.42	4.38	4.21	3.5	2.56	**	**
	PLACE1011054	23.11	26.67	18.54	13.24	17.45	11.68	27.3	21.77	27.93	*	-
	PLACE1011056	5.67	3.31	3.16	3.73	4.11	8.48	6.33	3.05	6.91	*	-
	PLACE1011057	10.04	10.53	7.99	8.15	6.14	3.72	11.95	6.55	7.6	*	-
	PLACE1011059	19.4	17.96	11.33	7.08	9.45	9.52	6.53	6.86	9.19	*	-
	PLACE1011066	9.28	7.31	5.97	5.75	7.03	4.1	2.13	5.18	0.49	*	-
30	PLACE1011087	26.84	40.15	33.04	57.32	27.48	16.29	127.9	19.42	37.4	*	-
	PLACE1011090	10.52	7.52	6.48	3.01	5.18	3.1	6.04	4.61	6.16	*	-
	PLACE1011109	43.09	16.58	13.76	6.5	19.94	4.84	12.2	7.21	13.97	*	-
	PLACE1011114	17.98	24.04	19.89	13.12	19.15	8.13	12.09	13.25	14.96	*	-
	PLACE1011116	30.03	28.53	37.37	10.98	8.87	7	8.26	10.18	5.99	**	**
35	PLACE1011122	5.9	6.6	5.93	4.16	4.82	3.11	3.97	4.69	2.89	*	-
	PLACE1011133	6.47	4.35	6.51	3.81	3.93	3.81	2.72	5.84	2.91	*	-
	PLACE1011134	5.48	5.99	6.34	4.28	4.27	3.64	3.72	3.86	3.76	**	**
	PLACE1011143	4.76	9.67	5.59	2.21	5.45	3.27	2.93	3.83	4.13	*	-
	PLACE1011146	10.48	13.56	12.48	9.3	11.11	4.11	4.38	6.69	4.48	**	-
	PLACE1011160	7.71	9.99	6.71	4.98	7.77	3.25	6.45	4.47	3.78	*	-
40	PLACE1011165	21.99	27.95	32.58	8.87	19.75	11.93	12.6	15.59	9.42	*	-
	PLACE1011181	5.25	3.37	6	2.06	4.49	2.29	2.61	4.09	3.85	*	-
	PLACE1011185	60.3	36.78	36.17	37.68	34.15	24.31	17.32	33.87	29.05	*	-
	PLACE1011186	25.07	30.45	27.42	12.69	20.01	15.83	19.93	27.9	21.4	*	-
	PLACE1011203	10.27	18.2	13.8	9.36	12.5	6.63	8.02	13.49	10.02	*	-
	PLACE1011214	7.39	9.12	10.92	5.57	5.78	3.95	1.49	2.02	3.84	*	**
45	PLACE1011219	7.03	5.86	7.27	8.39	4.52	4.58	9.07	4.64	3.23	*	-
	PLACE1011221	10.63	11.42	9.42	5.44	10.51	4.92	4.92	5.52	6.28	**	-
	PLACE1011229	13.78	13.72	12.78	9.23	7.48	4.86	6.43	7.1	4.99	**	**
	PLACE1011231	34.58	28.7	50.02	23.03	24.8	13.83	19.12	24.97	26.97	*	-
	PLACE1011236	13.02	10.94	13.96	5.99	7.59	5.08	4.42	6.98	4.82	**	**
	PLACE1011247	571.8	409.73	639.71	528.63	738.01	566.23	553.23	542.58	267.58	*	-
50	PLACE1011263	4.49	7.26	9.65	4.09	5.29	4.39	2.77	4.83	3.37	*	-
	PLACE1011273	9.77	15.11	15.29	8	7.81	4.87	6.04	5.28	3.97	*	-
	PLACE1011278	21.08	26.71	20.88	9.67	19.17	11.18	9.31	5.1	7.74	**	-
	PLACE1011289	8.76	9.56	9.49	5.47	7.47	4.38	4.05	4.14	4.61	*	**
	PLACE1011291	3.27	1.73	2.37	1.38	1.37	0.09	2.52	4.22	1.75	*	-
	PLACE1011296	15.1	14.79	20.48	7.86	6.09	7.28	12.72	18.07	15.96	**	-
55	PLACE1011310	49.57	40.91	47.27	26.08	24.65	29.49	26.25	31.46	34.3	**	*
	PLACE1011311	12.85	11.18	13.64	5.84	6.4	7.88	4.02	7.29	3.99	**	**
	PLACE1011321	316.11	225.18	251.29	230.23	241.81	208.08	340.56	284.43	231.07	*	-

Table 492

	PLACE1011325	67.49	68.67	34.36	32.79	55.55	25.52	26.06	16.66	23.25	*	-
	PLACE1011332	37.6	32.99	20.69	24.89	22.84	17.06	26.8	25.99	39.36		
5	PLACE1011340	6.86	4.22	8.9	7.42	3.33	10.93	4.69	3.22	3.76		
	PLACE1011353	13.06	9.45	9.31	4.05	5.07	3.21	9.83	8.83	10.17	**	-
	PLACE1011360	7.09	6.29	7.09	5.01	4.64	2.08	4.25	9.92	6.13	*	-
	PLACE1011364	36.2	48	46.69	18.82	32.17	16.48	29.76	23.08	23.29	* *	-
	PLACE1011385	56.47	40.06	43.45	30.4	25.78	22.53	35.29	36.44	44.51	*	-
	PLACE1011371	8.03	11.85	15.3	3.37	4.12	3.15	3.67	7.88	4.18	*	-
10	PLACE1011375	7.04	6.27	10.93	2.06	3.1	2.3	1.72	3.77	5.21	*	-
	PLACE1011386	164.83	196.07	182.53	143.65	164.65	123.82	185.62	179.87	160.52		
	PLACE1011399	13.53	14.93	12.77	5.31	8.23	5.03	14.49	12.53	13.08	**	-
	PLACE1011406	24.35	18.36	25.14	17.24	17.93	13.01	14.05	16.63	13.24	*	-
	PLACE1011407	11.96	8.15	11.8	4.39	4.52	4.88	4.7	7.06	4.99	** *	-
	PLACE1011419	45.6	33.74	47.01	28.72	27.55	25.25	33.12	24.14	29.66	*	-
15	PLACE1011433	12.4	6.05	13.11	5.89	9.23	4.52	4.03	6.39	4.28		
	PLACE1011440	22.91	21.43	18.88	17.18	6.65	6.34	4.22	2.79	3.13	**	-
	PLACE1011452	21.99	27.18	21.9	7.47	5.58	8.33	1.98	2.55	3.76	** **	-
	PLACE1011465	8.59	10.4	8.63	4.43	3.74	3.61	3.27	3.42	2.9	** **	-
	PLACE1011472	12.35	11.03	8.39	5.76	5.63	4.74	4.12	4.06	4.53	* **	-
	PLACE1011477	6.89	4.15	8.42	3.82	3.1	2.49	5.68	5.36	7.03		
20	PLACE1011478	147.8	127.45	151.17	98.43	129.14	92.91	97.94	88.28	67.65	**	-
	PLACE1011492	8.86	4.94	8.71	5.63	3.6	3.44	4.78	2.62	3.91		
	PLACE1011498	11.86	13.27	11.87	6.42	7.11	5.44	7.49	6.76	6.34	** **	-
	PLACE1011501	5.51	5	4.76	1.97	2.88	1.92	1.53	1.09	0.63	** **	-
	PLACE1011503	8.36	7.18	8.72	3.16	3.42	2.41	3.54	1.96	1.63	** **	-
	PLACE1011509	6.79	8.76	6.6	2.67	3.22	3.57	3.54	1.66	2.46	** **	-
25	PLACE1011514	39.36	42.6	35.59	29.05	24.04	21.59	28.05	21.32	28.44	*	-
	PLACE1011516	2.25	2.2	3.02	1.65	1.39	0.92	2.22	1.19	1.28	*	-
	PLACE1011520	56.28	54.22	44.97	60.14	59.13	46.66	37.37	33.63	31.08	*	-
	PLACE1011538	3.92	2.67	3.99	1.41	2.25	0.89	1.63	0.52	1.52	*	-
	PLACE1011555	5.04	5.36	4.18	1.71	1.41	2.12	2.42	1.56	2.13	** **	-
	PLACE1011561	40.83	32.97	31.05	28.42	20.97	80.97	15.06	18.06	18.45	**	-
30	PLACE1011563	10.59	8.43	6.69	4.39	3.31	1.28	2.74	2.46	2.05	* **	-
	PLACE1011567	8.99	5.72	8.85	4.85	2.48	0.94	3.39	1.71	1.08	* *	-
	PLACE1011569	17.38	15.57	12.39	8.98	14.17	5.41	4.61	3.24	6.59	**	-
	PLACE1011576	9.4	4.88	4.15	2.79	3.81	3.52	4.89	6.65	7.51		
	PLACE1011586	11.29	10.02	9.62	6.88	3.58	5.49	4.18	5.75	5.57	** **	-
35	PLACE1011635	30.93	17.84	23.55	13.98	14.55	6.78	13.1	10.06	12.62	*	-
	PLACE1011641	17.21	13.31	15.5	11.83	10.3	8.13	12.16	8.31	8.02	* *	-
	PLACE1011642	14.04	9.07	8.81	4.73	3.8	2.98	2.08	3.09	1.68	* **	-
	PLACE1011643	21.88	15.91	14.62	9.69	7.73	4.5	12.37	9.92	7.66	* *	-
	PLACE1011646	50.88	55.98	42.92	29.54	24.58	20.05	12.83	13.88	9.31	** **	-
	PLACE1011649	101.51	209.33	140.08	111.98	127.38	61.19	33.86	36.5	31.67	*	-
40	PLACE1011650	21.23	16.3	17.27	6.34	7.58	5.35	13.14	9.77	13.14	** *	-
	PLACE1011661	36.54	29.6	21.98	17.54	11.85	16.02	29.9	27.07	30.09	*	-
	PLACE1011664	4693.7	3704.8	3103.3	1925.9	2495.7	2680.1	3091.7	3779.5	2474.5	*	-
	PLACE1011672	14.58	19.19	17.05	4.82	11.54	6.52	8.71	6.37	8.66	* **	-
	PLACE1011675	27.27	28.5	23.64	11.76	7.61	13.02	10.47	6.83	11.83	** **	-
	PLACE1011682	31.95	30.83	21.79	24.47	12.69	9.16	19.26	16.69	17.56	*	-
45	PLACE1011708	240.54	265.47	223.19	186.79	250.35	199.96	147.11	130.97	144.28	**	-
	PLACE1011719	2115.1	1324.5	1826.8	1953.8	1265.9	1000.2	1428.6	860.26	1269.9		
	PLACE1011725	14.63	11.44	8.67	4.74	6.3	2.04	9.22	9.94	8.53	*	-
	PLACE1011729	17.92	12.45	10.92	5.48	8.85	3.57	9.59	6.92	10.12	*	-
	PLACE1011741	19.11	16.45	8.97	6.48	8.39	4.13	6.03	4.62	6.01	* *	-
	PLACE1011749	198.63	245.38	186.1	98.37	139.73	93.5	146.64	106.95	169.58	*	-
50	PLACE1011757	55.97	64.31	51.13	22.6	27.43	20.99	59.9	47.96	65.48	**	-
	PLACE1011762	112.55	118.61	84.99	66.65	83.7	57.21	113.37	92.71	109.2	*	-
	PLACE1011778	14.17	14.57	14.58	9.09	8.23	7.54	9.58	8.34	17.29	**	-
	PLACE1011783	34.3	38.67	23.05	14.78	12.16	17.09	15.47	21.92	20.45	*	-
	PLACE1011795	26.86	17.86	14.49	8.41	7.89	4.41	13.16	9.37	14.56	*	-
	PLACE1011810	6.46	2.52	3.35	2.53	2.07	0.8	3.19	3.06	3.38		
55	PLACE1011824	86.62	55.93	50.79	29.92	21.66	12.01	21.62	24.56	19.64	* *	-
	PLACE1011825	47.11	53.31	45.03	28.52	34.47	24.16	61.42	44.87	47	**	-
	PLACE1011835	12.82	11.42	11.32	5.55	7.84	4.84	7.39	9.98	8.67	** *	-

Table 493

	PLACE1011836	18.92	14.13	10.67	5.56	9.72	5.44	13.34	9.9	14.01			
	PLACE1011847	18.99	16.08	12.62	9.39	11.06	5.84	18.15	10.26	13.1	*		-
5	PLACE1011855	44.57	41.99	25.3	17.11	33.33	14.76	55.6	42.68	40.57			
	PLACE1011858	17.26	16.38	17.11	5.33	7.08	6.53	6.22	8.74	5.1	**	**	-
	PLACE1011874	23.12	12.72	25.71	16.84	19.22	7.85	10.17	8.71	12.51			
	PLACE1011875	10.58	9.98	11.17	5.18	10.63	6.87	7.18	6.04	4.93		**	-
	PLACE1011877	4.39	5.14	4.95	3.7	5.52	3.78	2.59	4.05	4.24			
	PLACE1011891	21.71	17.57	18.99	7.39	14.47	8.67	8.21	9.15	7.86	*	**	-
10	PLACE1011896	15.35	16.64	24.3	10.41	10.14	12.14	5.01	8.13	7.98	*		-
	PLACE1011920	16.12	14.42	15.9	7.68	8.85	7.76	6.46	2.46	3.24	**	**	-
	PLACE1011922	9.14	7.55	8.03	4.49	8.39	4.08	7.97	6.15	5.33			
	PLACE1011923	166.86	139.43	146.9	104.2	117.42	86.95	136.93	140	124.61	*		-
	PLACE1011937	11.45	9.18	10.8	8.58	6.75	5.1	5.71	6.29	5.46	*	**	-
	PLACE1011939	20.33	21.55	26.93	12.79	15.19	13.44	14.58	11.31	12.67	*	*	-
15	PLACE1011940	46.38	48.76	46.73	35.11	34.53	31.67	43.31	41.44	39.86	**	*	-
	PLACE1011962	58.59	70.73	80.18	30.15	38.09	28.84	47.96	47.68	42.57	**	*	-
	PLACE1011964	53.78	49.36	46.95	41.43	47.33	36.34	22.23	20.62	20.74	**		-
	PLACE1011978	50.21	52.86	64.71	38.6	31.39	22.36	22.46	20.19	18.12	*	**	-
	PLACE1011980	13.57	18.54	10.96	9.65	15.28	6.53	4.68	9.99	8.31			
	PLACE1011981	46.23	28.89	45.44	16.98	15.61	9.98	14.66	11.01	11.18	*	**	-
20	PLACE1011982	116.69	99.4	123.56	57.42	68.6	45.01	97.45	90.55	115.07	**		-
	PLACE1011995	8.31	11.27	12.33	5	7.29	7.22	6.27	8.29	4.87	*		-
	PLACE1012023	36.36	36.13	39.16	21.46	26.03	23.3	20.6	21.06	24.79	**	**	-
	PLACE1012026	72.96	80.46	66.75	52.71	40.29	50.42	21.72	33.87	25.71	**	**	-
	PLACE1012031	6.69	7.34	9.86	2.73	6.11	3.89	3.41	3.11	3.97	*		-
	PLACE2000003	144.75	222.75	62.64	74.47	133.88	40.79	39.01	32.21	30.64			
25	PLACE2000005	20.72	25.78	18.16	9.79	22.43	11.52	5.79	8.65	14.3	*		-
	PLACE2000006	74.92	51.78	61.3	27.4	24.75	21.12	50.02	43.94	72.77	**		-
	PLACE2000007	11.31	11.29	12.53	6.68	7.02	5.2	5.63	10.02	7	**	*	-
	PLACE2000011	20.07	19.36	23.84	14.92	4.58	15.77	9.39	11.52	19.43			
	PLACE2000014	10.47	6.72	12.3	4.76	6.02	3.48	3.63	6.9	4.73	*		-
30	PLACE2000015	63.77	83.22	43.62	34.06	43.14	43.39	19.29	26.64	36.8	*		-
	PLACE2000017	64.44	66.07	78.07	40.68	48.09	29.95	59.7	61.53	44.91	*		-
	PLACE2000021	131	136.36	142.32	116.28	142.66	101.82	89.75	68.71	86.35	**		-
	PLACE2000022	6.52	6.75	7.52	3.85	5.14	3.55	4.53	1.84	5.72	**		-
	PLACE2000030	277.16	275.48	252.39	182.81	167.16	156.31	125.23	96.07	135.65	**	**	-
	PLACE2000032	8.03	6.4	8.8	4.38	5.33	2.81	4.32	15.18	4.01	*		-
	PLACE2000033	19.24	16.61	20.22	9.43	14.03	10.83	8.93	12.91	10.87	*	**	-
35	PLACE2000034	212.75	182.06	146.24	219.9	195.88	170.13	146.86	112.34	125.26			
	PLACE2000039	8.9	10.84	13.51	4.94	3.89	4.8	3.72	4.38	6.52	**	*	-
	PLACE2000043	13.64	20.44	15.11	6.28	13.12	6.04	6.05	7.64	6.22	*		-
	PLACE2000044	7.28	9.48	9.44	3.48	5.71	4.79	4.48	4.25	4.59	*	**	-
	PLACE2000047	17.41	19.39	12.83	6.83	12.83	7.05	7.81	8.54	5.78	*		-
40	PLACE2000050	18.34	17.87	22.05	7.34	8.98	7.31	7.51	8.31	7.94	**	**	-
	PLACE2000061	53.75	61.97	78.23	34.92	41.03	37.86	22.68	14.04	20.77	*	**	-
	PLACE2000062	44.19	44.8	62.08	41.54	45.17	33.58	38.88	38.06	40.24			
	PLACE2000072	216.69	181.79	181.98	200.73	185.27	186.23	111.76	113.44	105.53	**		-
	PLACE2000073	8.16	10.75	9.27	3.77	4.89	3.62	4.56	4.79	3.59	**	**	-
	PLACE2000097	120.94	128.07	120.9	148.48	131.74	105.73	90.14	87.25	86.79	**		-
45	PLACE2000100	13.48	14.19	15.99	5.02	8.77	5.66	4.8	3.51	6.24	**	**	-
	PLACE2000103	355.83	328.95	197.42	251.22	436.52	235.01	231.23	336.03	237.95			
	PLACE2000106	32.23	23.41	23.14	14.46	6.17	13.03	9.13	10.5	5.27	*	**	-
	PLACE2000111	152.37	157.38	125.3	88.6	105.91	83.66	90.52	44.23	69.19	*	**	-
	PLACE2000115	27.01	16.97	16.32	19.6	21.67	16.26	13.74	11.32	11.63			
	PLACE2000118	229.23	214.41	143.27	124.01	152.19	92.15	153.7	62.85	67.07			
50	PLACE2000124	7.33	5.71	5.57	2.12	1.78	1.55	2.01	1.56	1.09	**	**	-
	PLACE2000132	18.07	19.01	19.11	15.64	11.16	12.49	9.7	6.52	8.48	*	**	-
	PLACE2000136	33.6	40.68	26.33	13.95	42.68	22.54	9.98	17.8	18.28	*		-
	PLACE2000137	6.87	5.34	6.91	1.61	2.95	2.09	1.24	1.8	2.36	**	**	-
	PLACE2000140	11.37	11.51	12.2	8.07	9.45	9.49	11.48	11.25	10.8	**		-
	PLACE2000147	10.22	7.24	9.46	6.01	5.85	4.51	7.52	7.6	9.27	*		-
55	PLACE2000153	17.95	21.42	13.85	5.51	9.57	6.43	4.84	5.27	2.27	*	**	-
	PLACE2000164	8.53	12.11	9.44	3.18	4.26	4.12	4.98	3.97	2.13	**	**	-
	PLACE2000170	38.84	46.93	33	28	28.56	22.27	30.03	23.36	30.82	*		-

Table 494

	PLACE2000172	9.55	12.02	10.86	4.88	5.87	3.32	4.01	4.8	6.2	**	**	-	-
	PLACE2000173	16.63	20.86	19.04	9.66	11.13	9.7	6.74	6.23	3.14	**	**	-	-
5	PLACE2000174	6.73	7.76	6.4	3.37	4.73	2.4	3.08	3.26	1.62	*	**	-	-
	PLACE2000176	47.07	39.92	36.01	26.8	32.78	24.97	24.68	26.79	25.41	*	**	-	-
	PLACE2000187	11.49	9.44	7.22	4.28	4.58	4.45	2.47	4.64	3.94	*	*	-	-
	PLACE2000216	15.24	13.28	16.1	7.83	10.53	7.67	11.12	11.23	10.67	**	*	-	-
	PLACE2000219	43.32	28.21	37.3	18.17	6.67	13.94	7.68	7.79	6.4	*	**	-	-
	PLACE2000221	9.58	7.64	7.46	2.22	3.99	1.24	4.08	2.43	3.07	**	**	-	-
10	PLACE2000223	16.67	12.34	12.95	4.95	6.75	4.32	4.43	2.01	2.87	**	**	-	-
	PLACE2000231	8.48	8.65	7.01	3.78	5.92	4.27	4.19	2.32	3.59	*	**	-	-
	PLACE2000235	7.02	5.03	3.66	1.54	5.33	1.9	4.43	3.57	3.78			-	-
	PLACE2000246	21.31	17.8	13.21	7.9	13.4	6.47	11.52	9.6	10.91	*	*	-	-
	PLACE2000264	41.11	43.3	30.68	20.28	22.27	18.14	15.54	15.85	15.69	*	**	-	-
	PLACE2000274	6.8	7.42	7.36	4.35	3.04	1.89	3.84	3.12	4.31	**	**	-	-
15	PLACE2000287	32.11	30.76	24.99	20.39	25.61	21.53	17.96	15.3	19.45	**		-	-
	PLACE2000296	42.94	34.88	35.63	23.36	22.17	20.37	32.02	14.36	29.35	**		-	-
	PLACE2000302	252.74	304.77	237.45	265.35	267.99	217.29	124.09	112.58	108.48		**	-	-
	PLACE2000305	21.47	23.58	17.69	16.14	17.23	16.65	22.14	18.21	22.01			-	-
	PLACE2000317	37.2	38.12	23.24	20.01	28.38	14.37	31.05	33.16	31.64			-	-
20	PLACE2000324	18.44	17.84	10.35	6.13	8.75	4.98	3.24	8.74	3.2	*	*	-	-
	PLACE2000334	21.38	17.6	11.43	10.36	9.7	9.37	7.54	6.15	9.1	*	*	-	-
	PLACE2000335	71.59	66.59	54.82	51.15	35.99	40.86	33.77	36.69	29.67	*	**	-	-
	PLACE2000340	20.62	28.95	19	17.88	23.88	12.85	16.23	14.73	16.82			-	-
	PLACE2000341	14.8	11.92	10.45	5.66	5.34	5.33	5.38	5.46	7.66	**	*	-	-
	PLACE2000342	23.53	21.95	21.97	16.28	11.86	11.51	22.81	14.69	23.12	**		-	-
	PLACE2000347	9.57	9.26	10.05	4.16	2.94	3.3	5.78	3.54	5.48	**	**	-	-
25	PLACE2000357	112.17	70.59	69.73	83.45	100.62	78.25	23	68.79	48.54			-	-
	PLACE2000358	57.37	32.59	34.74	25.22	20.69	15.46	44.93	47.18	42.01			-	-
	PLACE2000359	66.39	48.68	57.2	40.91	54.54	32.45	1.96	27.1	55			-	-
	PLACE2000366	24.09	23.36	19.56	12.65	12.71	9.05	11.75	9.72	10.83	**	**	-	-
	PLACE2000371	12.17	9.37	8.13	5.98	7.76	4.49	7.64	10.97	6.2			-	-
30	PLACE2000373	8.3	7.58	8.83	4.52	6.25	4.81	3.89	1.17	2.44	**	**	-	-
	PLACE2000374	20.82	21.67	18.21	16.3	16.71	14.02	11.71	11.44	14.19	*	**	-	-
	PLACE2000379	109.97	110.55	125.02	99.68	141.5	89.14	84.64	65.75	71.64	**	**	-	-
	PLACE2000386	27.43	27.19	20.99	10.83	12.4	11.22	15.3	17.99	10.26	**	*	-	-
	PLACE2000388	250.97	170.84	203.4	172.85	236.63	173.11	130.31	109.84	93.57	*	*	-	-
	PLACE2000392	241.74	206.31	271.34	159.33	199.67	145.83	119.57	115.9	95.8	*	**	-	-
	PLACE2000394	10.9	10.42	13.61	8.59	15.25	7.68	5.68	9.12	6.51	*	*	-	-
35	PLACE2000398	16.83	19.82	17.04	9.21	12.98	10.99	7.5	15.14	8.57	**	*	-	-
	PLACE2000399	30.6	27.17	17.03	25.83	27.41	28.06	9.08	19.74	20.17			-	-
	PLACE2000402	5.25	8.04	8.31	4.2	9.81	3.39	4.84	3.89	6.41			-	-
	PLACE2000404	24.79	49.52	29.14	49.74	21.66	25.22	16.23	19.06	8.51			-	-
	PLACE2000411	5.67	8.96	6.76	7.21	11.84	6.13	5.19	4.54	7.08			-	-
40	PLACE2000418	10.3	8.94	9.67	6.1	3.09	4.67	4.68	5.3	4.11	**	**	-	-
	PLACE2000419	96.71	94.48	148.23	58.48	57.97	27.06	44.37	46.85	45.47	*	*	-	-
	PLACE2000425	9.83	11.3	13.49	7.49	11.26	6.24	5.84	7.49	5.62		*	-	-
	PLACE2000427	15.21	22.92	21.67	15.7	21.55	15.92	5.61	6.9	4.76	**		-	-
	PLACE2000433	25.58	27.32	26.12	13.97	18.4	14.15	21.62	27.64	18.08	**		-	-
	PLACE2000435	16.36	18.11	21.19	9.69	13.76	7.6	8.43	10.79	12.73	*	*	-	-
45	PLACE2000438	35.17	36.25	36.72	24.14	34.38	15.98	38.19	37.23	25.32			-	-
	PLACE2000450	24.38	41.59	23.11	16.35	37.33	18.21	23.47	16.65	30.25			-	-
	PLACE2000455	51.05	47.04	53.6	30.31	36.57	21.71	39.12	34.02	35.42	*	**	-	-
	PLACE2000458	13.07	11.58	13.21	6.82	7.75	7.03	6.6	8.78	5.76	**	**	-	-
	PLACE2000464	9.95	10.55	11.94	7.59	6.37	5.51	7.68	8.47	7.16	**	*	-	-
	PLACE2000465	182.2	189.36	208.18	166.02	148.04	156.91	139.29	234.97	151.61	*		-	-
50	PLACE2000473	23.66	24.51	24.43	18.65	18.15	16.44	24.18	30.07	29.1	**		-	-
	PLACE2000477	14.25	12.47	18.55	9.69	12.47	6.23	10.6	9.09	9.9	*		-	-
	PLACE3000004	49.49	41.47	56.9	42.63	53.35	39.93	39.48	28.43	32.45	*		-	-
	PLACE3000009	30.13	36.74	28.18	19.79	35.05	20.31	13.54	15.44	20.29	**		-	-
	PLACE3000020	27.99	24.44	23.74	13.45	15.64	8.65	14.29	14.44	13.63	**	**	-	-
	PLACE3000029	13.95	12.7	16.35	6.3	9.27	7.3	4.68	16.59	5.52	**		-	-
55	PLACE3000038	6.52	4.32	7.69	5.63	3.97	4.12	2.68	6.95	6.18			-	-
	PLACE3000052	8.21	5.21	10.48	3.53	4.29	4.15	2.75	5.07	2.29			-	-
	PLACE3000059	7.39	8.1	10.8	4	5.08	2.55	2.83	4.28	4.31	*	*	-	-

Table 495

	PLACE3000067	49.68	45.52	57.37	38.78	41.13	26.16	39.8	46.08	41.69				
	PLACE3000069	22.6	20.15	23	9.32	14.75	10.81	1.9	9.3	14.16	**	*	-	-
	PLACE3000070	28.36	29.24	22.17	14.93	25.34	18.73	8.92	18.55	16.21	*	*	-	-
5	PLACE3000103	7.35	7.9	9.44	5.25	4.6	6.13	2.42	4.32	5.29	*	*	-	-
	PLACE3000119	35.89	28.1	30.76	15.16	14.79	15.09	26.05	30.71	30.91	**		-	-
	PLACE3000121	42.11	31.92	37.82	38.13	38.16	27.02	30.65	23.15	27.55			-	-
	PLACE3000124	419.8	380.05	314.65	379.74	412.05	282.09	411.56	374.59	344.25			-	-
	PLACE3000135	20.62	25.87	26.77	15.03	9.64	8.12	18.24	11.89	14.6	**	*	-	-
10	PLACE3000136	7.68	8.11	13.16	2.72	3.39	4.18	4.52	3.19	1.88	*	*	-	-
	PLACE3000142	24.15	28.81	26.5	11.04	24.59	15.08	9.37	6.94	11.56	**		-	-
	PLACE3000145	16.45	12.13	16.32	7.23	16.52	6.93	8.46	9.12	6.76	*	*	-	-
	PLACE3000147	109.42	62.46	138.9	40.47	87.42	32.89	57.71	63.5	68.14			-	-
	PLACE3000148	66.44	59.97	67.42	62.74	65.96	38.34	37.63	26.14	36.79	**		-	-
	PLACE3000154	10.3	11.14	12.88	7.95	8.64	6.56	7.31	6.3	7.57	*	**	-	-
15	PLACE3000155	54.28	50.77	22.77	23.49	28.34	24.7	10.12	11.93	8.34	*	*	-	-
	PLACE3000156	9.77	6.45	8.44	2.67	5.36	4.07	2.62	2.16	2.62	*	**	-	-
	PLACE3000157	38.44	50.52	36.49	23.64	29.36	25.04	21.36	24.91	20.01	*	*	-	-
	PLACE3000158	10.22	9.34	10.13	4.45	4.83	3.36	2.93	2.25	3.02	**	**	-	-
	PLACE3000160	19.92	29.65	15.93	8.71	11.7	10.32	5.77	7.29	4.57	*	*	-	-
	PLACE3000169	4.65	6.89	7.95	4.88	4.57	2.21	2.88	2.72	3.49	*	*	-	-
20	PLACE3000181	12.63	9.87	13.46	6.15	6.69	4.33	5.58	7.04	5.47	**	**	-	-
	PLACE3000194	1627	2636.2	1913.4	1710.4	2606.8	2399	1320.1	2826.5	2357.1			-	-
	PLACE3000197	7.18	4.55	8.38	2.14	1.71	1.66	2.79	2.24	2.57	*	*	-	-
	PLACE3000199	19.46	15.17	17.17	4.98	8.73	7.24	6.33	5.56	6.07	**	**	-	-
	PLACE3000205	12.53	16.93	16.84	6.91	6.83	4.67	7.28	5.87	4.15	**	**	-	-
	PLACE3000207	7.97	6.69	7.83	2.48	4.45	2.85	2.71	2.19	2.08	**	**	-	-
25	PLACE3000208	5.49	5.5	6.02	1.68	6.49	-2.8	2.64	3.52	2.46	**		-	-
	PLACE3000213	40.02	27.48	31.62	27.29	30.91	23.89	26.59	30.58	23.2			-	-
	PLACE3000215	20.76	15.1	17.45	10.19	8.64	8.25	15.48	14.18	17.02	**		-	-
	PLACE3000218	13.39	10.52	10.44	6.03	3.81	4.29	4.65	4.57	4.68	**	**	-	-
	PLACE3000220	61.41	56.02	42.84	39.7	37	28.53	36.15	41.5	44.54	*	*	-	-
	PLACE3000221	12.37	9.42	8.54	5.7	3.63	2.33	5.09	3.54	2.87	*	**	-	-
30	PLACE3000225	180.89	144.07	131.66	176.14	175.29	127.3	77.77	64.65	86.2	**	**	-	-
	PLACE3000226	20.28	21.59	18.74	7.11	11.09	6.3	3.48	2.23	3.79	**	**	-	-
	PLACE3000230	17.46	18.98	14.94	6.27	14.11	10.52	4.65	3.25	5.88	**		-	-
	PLACE3000231	17.8	13.66	8.65	9.08	2.29	4.95	6.33	9.35	7.91			-	-
	PLACE3000235	9.61	7.55	8.28	4.48	5.65	4.02	5.72	2.93	4.77	**	*	-	-
	PLACE3000242	58.11	27.4	48.85	17.82	13.76	17.4	11.61	10.29	11.25	*	*	-	-
35	PLACE3000244	18.63	13.16	20	8.5	7.54	7.64	10.16	10.96	16.61	*	*	-	-
	PLACE3000253	56.99	47.97	42.85	32.37	25.93	24.8	32.98	24.76	32.96	*	*	-	-
	PLACE3000254	27.82	25.4	19.01	15.47	10.42	14.64	15.57	11.42	13.74	*	*	-	-
	PLACE3000271	14.58	20.8	13.28	5.71	8.52	5.71	8.32	6.43	8.38	*	*	-	-
	PLACE3000276	13.09	13.68	8.83	2.78	7.9	3.42	3.8	5.28	3.1	*	**	-	-
	PLACE3000304	37.31	49.14	39.5	28.72	17.9	18.26	33.17	28.5	40.23	*	*	-	-
40	PLACE3000309	12.29	9.64	9.42	6.2	5.6	4.27	5.42	4.79	6.47	**	**	-	-
	PLACE3000310	51.34	49.06	45.31	11.5	35.47	14.78	19.66	9.79	16.36	*	**	-	-
	PLACE3000320	24.3	28.51	23.33	14.31	20.51	12.27	15.7	15.03	15.45	*	*	-	-
	PLACE3000322	43.24	35.12	33.62	31.55	31.68	23.75	27.52	20.55	23.56	*	*	-	-
	PLACE3000330	28.37	27.71	24.49	12.33	15.5	11.35	20.66	17.37	21.33	**	*	-	-
	PLACE3000331	6.68	8.07	7.67	6.55	5.13	3.84	2.57	2.99	0.04	**		-	-
45	PLACE3000336	393.24	473.08	270.29	359.87	515.03	306.41	470.46	662.39	717.67			-	-
	PLACE3000339	11.78	5.98	6.82	3.79	5.41	2.48	9.74	10.29	11.53			-	-
	PLACE3000341	12.2	6.88	6.99	4.2	5.65	4.02	4.35	5.75	4.94			-	-
	PLACE3000350	13.71	12.66	10.21	4.86	8.13	4.84	5.77	4.37	7.49	*	*	-	-
	PLACE3000352	17.23	29.11	20.8	9.42	15.27	8.16	11.43	7.14	13.58	*	*	-	-
50	PLACE3000353	14.74	14.96	16.82	8.78	8.26	6.98	10.37	5.48	6.79	**	**	-	-
	PLACE3000362	57.42	93.8	72.53	67.02	59.59	35.38	59.68	38.27	60.6			-	-
	PLACE3000363	9.44	8.61	10.55	4.39	5.19	4.3	7.06	4.68	6.56	**	*	-	-
	PLACE3000365	5.59	7.45	4.94	1.48	2.65	3.2	4.78	2.37	2.95	*	*	-	-
	PLACE3000373	38.45	30.27	25.67	4.05	7.88	3.63	14.16	11.37	15.74	**	*	-	-
	PLACE3000374	48.65	44.25	34.93	16.2	26.01	11.78	24.23	27.25	23.51	*	*	-	-
55	PLACE3000387	5.55	3.77	3.38	1.58	3.57	0.43	3.58	2.95	3.21	*	*	-	-
	PLACE3000388	26.03	22.21	15.9	9.86	12.79	6.37	21.94	26.7	24.22	*	*	-	-
	PLACE3000399	15.37	13.07	9.83	5.64	4.9	3.93	10.68	11.05	9.52	**		-	-

Table 496

	PLACE3000400	42.78	33.52	30.29	11.43	26.51	8.47	52.76	33.47	38.48	*	-
	PLACE3000401	137.51	137.03	95.06	91.28	111.28	51.38	81.66	72.2	62.65	*	-
5	PLACE3000402	8.43	7.72	4.24	2.44	6.58	2.29	8.31	7.96	5.44		
	PLACE3000405	7.33	4.67	7.44	2.73	3.5	5.1	3.7	5.44	3.66		
	PLACE3000406	4.67	3.39	8.42	4.46	6.89	4.16	3.34	4.69	2.59		
	PLACE3000413	12.33	14.38	16.34	10.31	15.31	7.77	6.83	11.34	9.07	*	-
	PLACE3000416	84.6	58.17	41.71	94.16	126.08	86.52	51.61	89.65	63.01		
	PLACE3000425	2.87	4.19	4.03	2.67	4.11	2.12	2.08	0.77	1.54	*	-
10	PLACE3000437	6.08	4.62	9.74	3.57	11.5	3	3.57	3.67	4.77		
	PLACE3000455	6.66	7.45	7.23	5.48	5.38	4.19	5.5	5.74	3.82	*	-
	PLACE3000475	4.99	6.71	5.08	4.69	5.48	5.91	3.2	5.35	2.87		
	PLACE3000477	12.61	9.21	10.6	8.81	9.19	10.36	8.13	7.94	5.96	*	-
	PLACE4000003	30	20.47	39.94	8.43	18.43	9.82	12.11	10.52	8.23	*	-
	PLACE4000008	8.19	8.19	9.59	5.97	7.85	6.93	4.18	5.57	3.47	**	-
15	PLACE4000009	46.86	36	37.99	37.22	51.39	35.97	11.09	18.85	7.53	**	-
	PLACE4000014	18.34	18.57	19.39	16.62	19.49	16.59	6.08	13.2	15.87		
	PLACE4000029	5.3	5.07	5.95	2.91	4.87	2.62	3.69	3.02	2.87	**	-
	PLACE4000034	10.02	8.01	6.28	5.12	7.93	4.55	5.88	5.27	5.14		
	PLACE4000049	21.86	18.28	18.64	14.38	19.7	19.05	12.54	13.96	11.06	**	-
20	PLACE4000052	47.63	33.03	40.39	17.99	15.08	20.28	24.01	22.07	24.29	**	-
	PLACE4000062	53.46	46.6	50.02	32.69	40.48	28.08	39.71	36.99	45	*	-
	PLACE4000063	56.25	68.62	67.5	55.27	69.37	73.66	45.78	60.53	44.9		
	PLACE4000089	10.35	13.86	13.41	10.66	10.48	9.25	5.68	5.4	5.66	**	-
	PLACE4000093	15.33	18.02	19.57	10.49	13.84	10.33	17.17	14.6	14.04	*	-
	PLACE4000100	8.21	7.32	11.21	7.61	6.2	7.32	5.19	5.2	4.71	*	-
25	PLACE4000103	13.85	15.73	12.84	8.67	14.38	6.43	4.02	8.73	6.65	**	-
	PLACE4000106	32	18.81	23.23	18.35	21.38	15.86	17.78	20.58	18.06		
	PLACE4000128	22.05	18.53	23.14	8.88	10.24	9.57	11.18	17.49	11.76	**	-
	PLACE4000129	266.34	156.01	188.25	120.37	95.41	112.42	146.64	98.31	136.33	*	-
	PLACE4000131	59.1	45.51	65.57	41.68	34.82	39.78	18.29	19.7	30.83	*	-
	PLACE4000147	7.89	7.51	11.76	3.51	5.07	3.96	2.77	6.32	2.52	*	-
30	PLACE4000156	15.48	18.75	19.37	9.1	12.85	10.65	15.8	15.48	10.02	*	-
	PLACE4000175	12.45	10.41	18.08	11.94	9.67	2.46	6.38	6.69	6.89	*	-
	PLACE4000190	40.84	40.93	32.85	23.06	35.22	26.66	12.42	10.73	11	**	-
	PLACE4000192	35.69	24.13	23.88	16.77	21.59	17.55	17.75	19.51	19.4		
	PLACE4000206	33.82	29.03	26.48	11.73	17.97	14.5	17.45	20.16	20.02	**	-
	PLACE4000211	12.98	13.88	13.86	7.96	9.94	9.19	6.64	31.04	6.54	**	-
35	PLACE4000214	13.12	6.23	9.29	3.45	7.5	4.18	4.98	7.25	13.71		
	PLACE4000222	35.35	30.73	34.54	24.03	24.44	20.1	20.58	28.37	25.45	**	-
	PLACE4000223	14.88	14.83	15.03	7.36	10.28	5.52	4.16	7.67	5.85	**	-
	PLACE4000228	12.38	12.16	12.52	4.51	6.31	4.98	4.32	4.28	3.98	**	-
	PLACE4000230	9.56	8.77	9.56	4.68	7.06	5.7	4.97	9.82	3.71	**	-
	PLACE4000233	22.71	24.01	29.85	11.57	13.98	13.77	8.53	11.22	9.26	**	-
40	PLACE4000239	10.07	7.4	9.42	6.8	7.34	6.09	4.49	4.54	3.54	**	-
	PLACE4000247	15	11.82	15.56	9.41	13.91	8.87	8.67	6.24	7.39	**	-
	PLACE4000250	16.14	18.27	20.25	16.54	17.86	12.73	10.47	8.04	11.21	**	-
	PLACE4000252	10.01	5.15	12.75	1.39	3.96	3.1	2.21	3.92	2.7	*	-
	PLACE4000259	25.72	27.31	16.16	12.78	19.39	8.44	8.29	19.39	9.08		
	PLACE4000261	23.52	25.16	22.9	11.05	14.2	9.22	13.61	14.62	13.29	**	-
45	PLACE4000264	176.03	156.54	119.76	135.7	191.67	147.27	105.16	95.1	89.72	*	-
	PLACE4000269	71.18	49.07	62.08	23.03	41.63	24.74	71.71	82.6	52.18	*	-
	PLACE4000270	7.6	6.37	8.9	4.69	5.92	4.81	3.06	3.68	3.44	*	-
	PLACE4000281	15.26	16.07	18.29	6.09	10.92	7.61	6.44	6.68	5.1	**	-
	PLACE4000300	8.43	9.82	8.78	6.3	8.5	7.03	3.68	2.93	2.96	**	-
	PLACE4000320	12.37	11.22	11.92	6.27	10.09	6.43	4.47	4.26	2.85	*	-
50	PLACE4000323	15.16	16.25	19.16	9.12	14.06	10.9	6.05	4.54	4.03	*	-
	PLACE4000326	11.15	8.97	10.53	4.35	4.69	4.13	4.28	3.68	4.65	**	-
	PLACE4000344	27.71	32.93	24.51	14.27	30.44	19.64	5.14	9.78	8.98	**	-
	PLACE4000347	156.82	129.54	154.28	89.79	129.04	79.82	138.06	137.09	135.75		
	PLACE4000354	15.47	9.46	11.43	7.01	8.32	6.55	3.28	5.96	4.83	*	-
	PLACE4000367	8.63	5.47	7.82	5.38	5.39	6.72	3.84	3.95	3.64	*	-
55	PLACE4000369	11.27	6.37	9.31	5.27	4.5	4.05	4.11	4.32	3	*	-
	PLACE4000379	6.35	6	4.77	3.22	2.93	2.33	3.1	3.32	2.21	**	-
	PLACE4000387	25.99	34.88	32.06	17.28	20.68	16.67	6.75	8.86	3.97	*	-

Table 497

	PLACE4000392	8.31	9.76	11.03	3.63	5.95	3.64	5.73	2.01	2.93	**	*	-	-
	PLACE4000399	53.9	51.54	53.26	20.64	28.55	18.63	37.94	35.1	44.54	**	**	-	-
	PLACE4000401	4.22	3.76	3.44	3.96	3.49	2.6	3.5	3.9	1.61			-	-
5	PLACE4000403	8.42	5.82	6.5	4.19	7.67	4.85	3.96	3.29	3.53	*		-	-
	PLACE4000411	20.23	15.5	15.73	8.23	11.19	9.81	14.98	10.1	11.34	*		-	-
	PLACE4000415	8.15	4.8	4.61	4.06	6.07	4.23	2.98	3.98	4.5			-	-
	PLACE4000416	35.43	25.11	24.69	17.72	17.34	16.23	24.55	17.6	25.73	*		-	-
	PLACE4000424	43.93	33.38	31.83	13.69	19.37	13.98	27.93	23.64	33	**		-	-
10	PLACE4000431	10.44	8.78	8.78	5.88	4.85	3.5	4.69	2.33	4.08	**	**	-	-
	PLACE4000443	50.64	44.47	41.43	26.49	37.08	21.33	51.22	33.11	43.74	*		-	-
	PLACE4000445	5.42	4.17	3.6	3.57	7.43	5.38	2.23	3.95	2.66			-	-
	PLACE4000450	9.85	6.68	6.23	4.72	6.64	4.07	3.56	7.58	3.73			-	-
	PLACE4000455	167.91	132.51	128.81	98.87	124.22	95.79	172.16	139.08	172.24			-	-
	PLACE4000465	31.84	25.74	18.83	10.79	23.42	11.27	11.29	10.8	17.69	*		-	-
15	PLACE4000466	13.01	11.54	9.57	6.56	6.92	4.59	5.76	4.65	5.6	*	**	-	-
	PLACE4000472	165.28	158.69	152.44	150.34	164.09	112.33	151.06	116.56	147.01			-	-
	PLACE4000487	10.38	6.99	9.12	4.68	4.63	2.93	3.52	2.08	3.49	*	**	-	-
	PLACE4000489	6.8	7.97	5.85	3.99	5.8	4.43	4.22	4.11	4.53	*		-	-
	PLACE4000494	70.51	55.91	43.58	29.17	31.84	24.64	72.67	73.79	78.08	*		-	-
20	PLACE4000502	204.58	180.8	176.1	156.92	166.08	118.92	216.32	165.78	200.53			-	-
	PLACE4000521	28.26	22.58	17.07	7.12	15.76	9	21.36	20.06	19.61	*		-	-
	PLACE4000522	18.46	20.38	16.27	10.46	14.51	9.51	16.91	13.88	17.23	*		-	-
	PLACE4000537	9.79	11.19	9.86	4.99	8.2	4.43	2.5	3.6	0.68	*	**	-	-
	PLACE4000548	12.35	10.52	9.27	3.9	4.07	4.41	4.08	3.04	3.64	**	**	-	-
	PLACE4000558	56.63	61.59	46.82	23.74	32.06	21.71	66.44	39.24	52.93	**		-	-
	PLACE4000581	9.34	8.43	8.7	5.21	3.71	3.17	5.23	4.69	4.75	**	**	-	-
25	PLACE4000590	4.28	4.39	2.54	2.29	1.9	1.58	2.69	1.47	1.72	*		-	-
	PLACE4000593	9.43	8.29	6.55	6.59	7.86	5.28	9.13	5.16	4.1			-	-
	PLACE4000612	50.54	44.64	46.86	32.73	32.12	18.75	8.58	0	9.68	*	**	-	-
	PLACE4000638	8.47	6.12	6.11	6.07	5.18	3.4	1.44	4.91	1.37	*		-	-
	PLACE4000650	11.71	6	6.58	1.78	5.39	2.69	5.01	3.89	2.3			-	-
30	PLACE4000651	10.02	10.01	7.86	4.63	8.67	3.43	7.21	6.04	5.23	*		-	-
	PLACE4000654	40.79	37.09	28.74	21.7	29.39	18.93	39.41	24.87	38.02			-	-
	PLACE4000670	7.33	7.03	6.77	5.23	9.34	3.97	6.41	3.63	6.87			-	-
	PLACE4000685	27.36	21.25	28.71	7.25	13.45	14.89	8.25	13.79	8.57	*	**	-	-
	PLACE4000687	5.87	2.72	5.94	3.75	3.52	3.04	2.8	3.66	2.1			-	-
	PLACE5000003	13.69	15.66	16.08	8.92	15.85	13.17	6.36	9.93	8.84	**		-	-
35	PLACE5000005	17.05	13.36	13.46	14.47	17.35	13.76	5.61	8.29	7.64	**		-	-
	PLACE5000019	9.12	11.38	11.73	6.9	5.65	5.55	3.51	3.39	6.14	**	**	-	-
	PLACE5000021	28.4	29.38	31.96	18.99	19.21	16.52	23.2	21.13	21.28	**	**	-	-
	PLACE5000022	44.41	69.47	62.06	68.78	41.05	40.85	49.9	41.64	44.86			-	-
	PLACE5000024	5.49	3.54	5.62	3.22	3.37	3.62	2.52	4.61	6.39			-	-
	PLACE5000036	104.88	78.2	100.83	80.5	90.12	87.43	80.46	55.18	58.66			-	-
40	PLACE5000059	13.88	12.58	10.61	5.28	9.26	6.17	6.41	11.67	8.16	*		-	-
	PLACE5000076	102.38	115.06	148.87	71.48	155.46	121.21	73.46	149.18	129.94			-	-
	PLACE5000117	10.83	17.74	16.15	14.79	20.06	15.63	5.73	9.53	5.57	*		-	-
	PLACE5000143	12.99	9.49	15.16	8.13	9.83	8.06	5.81	8.66	8.8			-	-
	PLACE5000152	183.88	202.8	96.28	147.85	104.4	116.95	74.92	70.73	75.92			-	-
	PLACE5000154	90.81	108.58	44.13	75.4	77.68	45.59	40.84	23.33	50.85			-	-
45	PLACE5000155	33.2	24.58	26.07	16.94	31.52	23.72	16.67	17.93	27.02			-	-
	PLACE5000165	113.75	76.52	82.55	90.32	103.03	88.36	32.72	55.94	39.36	*		-	-
	SKNMC1000004	1323.5	940.91	1083.3	665.71	1250.5	673.39	1094.9	1184.2	1060.5			-	-
	SKNMC1000011	8.28	9.06	11.81	4.48	12.47	5.45	4.79	5.44	8.03			-	-
	SKNMC1000013	14.72	15.01	20.62	10.84	11.72	12.41	4.74	6.54	6.23	**		-	-
	SKNMC1000014	20.79	23.92	26.42	20.23	26.13	18.1	14.76	15.14	11.78	**		-	-
50	SKNMC1000016	9.56	8.87	12.44	5.32	9.73	4.54	3.81	4.41	5.25	**		-	-
	SKNMC1000020	25.49	27.02	25.39	13.63	25.33	12.68	18.7	20.72	21.65	**		-	-
	SKNMC1000046	24.6	15.36	17.74	13.48	22.27	16.07	12.53	14.97	15.86			-	-
	SKNMC1000050	8.51	7.09	7.49	5.47	4.73	4.3	4.47	21.02	3.74	**		-	-
	SKNMC1000062	26.94	17.98	24.61	14.13	15.7	9.74	23.61	36.47	28.81	*		-	-
	SKNMC1000075	11.6	7.44	13.24	7.34	10.78	7.51	4.21	5.3	7.09			-	-
55	SKNMC1000082	22.01	16.02	26.11	8.38	13.04	9.62	12.8	21.17	16.8	*		-	-
	SKNMC1000091	36.26	39.39	43.7	12.98	23.22	18.68	24.3	27.26	22.42	**	**	-	-
	SKNMC1000099	11.34	8.86	15.64	6.38	7.5	4.4	5.83	7.15	6.38			-	-



Table 498

	SKNMC1000104	16.76	17.55	17.05	8.52	14.24	10.52	9.72	10.59	13.24	*	**	-	-
	SKNMC1000113	45.53	34.91	35.51	20.7	25.14	23.85	18.86	24.14	23.6	*	*	-	-
	SKNMC1000119	17.58	14.67	21.54	10.33	12.31	8.53	8.83	13.02	8.17	*	*	-	-
5	SKNMC1000142	16.52	20.57	23.49	7.26	16.72	11.75	8.01	11.68	14.09	*	*	-	-
	SKNMC1000170	242.49	183.41	211.38	201.28	226.18	182.82	247.45	216.7	250.73	**	**	-	-
	SKNMC1000178	15.01	12.68	14.32	6.9	9.12	6.49	4.97	7.82	9.01	*	*	-	-
	SKNMC1000194	7.33	8.61	11.61	2.23	3.73	3.19	2.64	4.74	3.45	*	*	-	-
	SKNMC1000198	18.76	29.87	24.52	7.87	13.1	9.06	5.41	5.23	5.02	*	**	-	-
10	SKNMC1000225	100.44	119.68	87.32	52.94	84.28	50.45	35.91	33.78	44.06	**	**	-	-
	SKNMC1000249	23.35	22.68	30.9	13.07	19.76	17.18	12.83	14.11	14.19	*	*	-	-
	SPLEN1000007	10.7	10.7	16.74	6.92	9.27	7.23	6.86	7.37	5.89	*	*	-	-
	SPLEN1000012	15.31	13.75	18.53	8.26	13.65	10.56	13.22	11.71	11.02	*	**	-	-
	SPLEN1000014	74.22	59.99	63.53	32.33	49.13	32.58	29.87	29.67	37.64	*	**	-	-
	SPLEN1000036	14.69	11.54	10.05	7.95	8.19	6.93	3.18	3.76	2.42	*	**	-	-
15	SPLEN1000059	39.71	33.5	32.87	12.1	19.81	12.24	19.97	18.35	17.18	**	**	-	-
	SPLEN1000068	20.63	22.57	21.07	11.6	16.29	10.46	9.19	11.89	8.79	*	**	-	-
	SPLEN1000072	19.88	16.83	14.86	6.06	9.86	7.47	5.18	4.49	6.78	**	**	-	-
	SPLEN1000101	71.97	43.16	57.46	18.69	27.56	26.8	32.73	40.27	19.97	*	*	-	-
	SPLEN1000108	7.69	6.28	7.07	3.65	4.35	2.67	3.12	2.84	2.04	**	**	-	-
	SPLEN1000113	11.47	6.64	12.13	7.54	8.23	7.26	5.5	6.27	7.59	*	*	-	-
20	SPLEN1000114	16.01	14.75	14.36	7.29	9.65	6.3	8.14	8.22	8.73	**	**	-	-
	SPLEN1000132	5.96	4.51	7.38	2.74	4.42	2.34	1.47	2.25	2.21	*	*	-	-
	SPLEN1000135	10.57	8.18	9.39	3.86	4.71	4.73	4.9	2.38	2.97	**	**	-	-
	SPLEN1000136	23.91	23.93	20.23	10.77	11.86	10.15	16.69	14.04	13.77	**	**	-	-
	SPLEN1000141	42.88	39.73	42.83	27.16	32.91	23.4	23.31	18.41	20.57	**	**	-	-
	SPLEN1000164	15.72	13.33	13.69	7.76	12.46	6.69	9.59	8.11	9.12	*	*	-	-
25	SPLEN1000166	12.98	9.08	11.45	4.56	5.01	5.04	6.49	5.17	6.32	**	*	-	-
	SPLEN1000175	19.26	16.94	15.5	7.48	9.23	6.92	11.34	13.49	13.41	**	*	-	-
	SPLEN1000182	67.34	58.35	68.22	30.69	30.43	27.88	28.16	29.1	23.7	**	**	-	-
	SPLEN1000185	6.38	8.35	5.56	4.69	4.56	3.06	2.86	2.31	1.51	**	*	-	-
	THYMU1000004	48.79	34.96	41.97	30.97	32.65	27.64	26.98	17.5	13.12	*	*	-	-
30	THYMU1000009	14.58	13.55	14.88	8.47	10.1	5	7.34	4.91	5.62	*	**	-	-
	THYMU1000015	19.34	18.55	12.08	8.34	11.37	5.93	10.39	10.96	13.03	*	*	-	-
	THYMU1000016	6.78	4.3	5.54	2.79	2.51	1.91	5.14	3.5	4.34	*	*	-	-
	THYMU1000023	6.35	6.23	6.53	4.39	3.65	4.2	3.1	5.69	3.98	**	*	-	-
	THYMU1000034	390.65	392.5	375.97	306.71	379.09	270.69	454.49	361.08	369.56	**	**	-	-
	THYMU1000035	8.93	7.8	9.14	5.88	4.95	4.81	5.06	3.93	4.36	**	**	-	-
35	THYMU1000037	9.69	6.41	7.36	4.28	3.96	3.33	4.24	3.59	3.83	*	*	-	-
	THYMU1000042	6.85	3.93	5.82	2.75	3.24	2.02	2.08	1.63	1.09	*	*	-	-
	THYMU1000047	25.64	25.03	24.74	13.43	16.94	11.38	26.77	21.68	23.81	**	*	-	-
	THYMU1000080	20.17	51.54	27.22	17.42	19.98	26.99	13.06	15.8	14.07	*	*	-	-
	THYMU1000094	11.12	6.99	9.51	6.45	6.49	4.35	11.14	9.41	9.31	*	*	-	-
	THYMU1000109	228.62	201.78	195.22	195.65	173.29	154.39	235.81	205.84	221.79	**	*	-	-
40	THYMU1000127	44.2	30.97	37.5	12.05	18.11	17.75	24.49	15.04	18.2	**	*	-	-
	THYMU1000130	21.64	17.3	15.84	7.65	12.45	8	10.24	3.41	8.22	*	*	-	-
	THYMU1000137	6.81	10.03	8.23	3.35	5.2	3.34	4.41	2.7	3.47	*	*	-	-
	THYMU1000146	11.97	7.39	7.48	8.11	7.24	6.17	5.13	3.03	6.19	*	*	-	-
	THYMU1000159	10.45	10.21	8.17	6.28	6.42	3.77	4.54	3.62	4.78	*	**	-	-
	THYMU1000163	8.08	8.93	9.7	5.33	5.95	3.66	7.57	4.17	4.21	**	*	-	-
45	THYMU1000167	67.79	51.53	54.02	27.07	31.06	17.27	75.27	48.55	70.31	**	*	-	-
	THYMU1000186	8.38	8.15	3.89	3.94	4.49	2.65	3.36	2.91	3.02	*	*	-	-
	THYRO1000017	24	17.58	11.71	8.21	11.63	5.25	6.04	5.8	4.42	*	*	-	-
	THYRO1000026	10.24	8.59	6.72	5.28	7.77	4.55	4.15	3.45	6.46	*	*	-	-
	THYRO1000034	39.83	32.92	35.9	29.82	39.02	28.83	26.88	25.91	22.08	*	*	-	-
	THYRO1000035	34.67	27.15	24.29	22.39	30.44	22.35	22.09	19.28	23.65	*	*	-	-
50	THYRO1000036	16.2	14.28	11.79	9.92	10.8	4.36	7.94	4.75	8.23	*	*	-	-
	THYRO1000040	9.47	7.71	9.48	4.32	5.83	3	5.07	3.54	5.01	*	**	-	-
	THYRO1000061	18.28	19.76	15.63	8.28	5.85	4.81	6.42	5.28	9.18	**	**	-	-
	THYRO1000067	16.85	13.02	12.06	8.02	8.96	4.34	7.22	6.1	5.44	*	**	-	-
	THYRO1000070	9.96	13.03	10.58	5.63	9.48	4.69	20.02	18.33	15.63	*	*	-	-
	THYRO1000072	21.57	19.92	18.73	19.89	17.94	12.39	9.77	9.74	9.5	**	*	-	-
55	THYRO1000084	9.91	5.58	5.31	3.9	6.43	2.97	10.41	8.45	10.27	*	*	-	-
	THYRO1000085	29.04	36.56	22.76	13.84	17.05	13.37	10.59	14.52	10.12	*	*	-	-
	THYRO1000086	13.56	10.42	8.08	7.5	9.36	4.87	6.64	6.5	4.47	*	*	-	-

Table 499

	THYRO1000087	51.14	69.3	41.47	29.99	58.4	26.89	61.05	53.08	61.77				
	THYRO1000082	25.07	28.19	30.84	13.75	13.51	9.94	17.56	21.51	22.34	**	*	-	-
	THYRO1000093	4.26	2.01	4.16	1.77	3.46	3.25	2.69	3.3	2.41				
5	THYRO1000099	9.62	5.87	9.26	3.68	8.63	4.59	5.9	7.16	4.32				
	THYRO1000187	70.48	59.74	59.68	39.34	64.57	40.78	35.76	61.82	50.34				
	THYRO1000111	13.96	11.92	12.38	7.04	9.78	5.89	9.55	11.53	9.66	*	*	-	-
	THYRO1000121	31.45	32.43	38.13	15.06	18.17	17.71	26.05	28.32	34.79	**		-	-
	THYRO1000124	54.83	35.35	48.22	37.6	35.37	31.52	34.87	27.99	31.75				
10	THYRO1000129	8.59	9.01	8.49	5.14	9.82	6.06	8.93	8.73	10.55				
	THYRO1000130	12.23	8.25	10.08	6.62	6.95	6.32	6.99	9.76	9.68	*		-	-
	THYRO1000132	7.93	8.79	12	5.35	7.15	7.04	4.12	4.66	3.86		*		-
	THYRO1000134	17.2	6.06	9.3	6.24	6.27	12.5	5.33	7.31	5.41				
	THYRO1000144	23.66	30.66	32.27	27.55	32.97	28.83	18.04	19.4	19.02		*		-
	THYRO1000155	35.26	37.35	35.3	18.99	24.31	20.42	31.31	40.6	29.86	**		-	-
15	THYRO1000156	37.13	43.79	38.99	24.77	34.58	23.66	18.78	36.39	21.81	*		-	-
	THYRO1000163	56.18	53.4	58.15	23.96	28.08	23.46	11.7	14.01	16.02	**	**	-	-
	THYRO1000173	8.52	8.35	6.58	5.25	10.18	4.15	3.25	4.22	4.73		**	-	-
	THYRO1000186	35.39	31.09	36.48	14.41	13.8	14.41	7.62	12.05	15.91	**	**	-	-
	THYRO1000187	17.39	15.95	24.02	6.63	8.73	8.87	5.49	7.02	6.9	*	**	-	-
	THYRO1000190	7.06	7.97	10.31	6.43	5.1	6.9	4.78	5.24	5.17		*		-
20	THYRO1000196	8.72	14.15	13.33	14.25	10.93	7.74	3.75	6.65	9.84				
	THYRO1000197	13.75	17.13	15.02	14.96	17.34	16.5	8.34	11.47	6.36		*		-
	THYRO1000199	6.8	9.71	11.38	6.6	11.32	10.32	5.5	6.51	7.17				
	THYRO1000206	20.09	21.74	25.04	13.14	17.5	12.03	7.45	6.8	7.63	*	**	-	-
	THYRO1000221	5.98	7.15	5.44	4.48	8.31	3.94	3.81	4.45	3.66		*		-
25	THYRO1000222	56.23	66.17	63.27	37.58	40.7	31.29	35.13	33.5	43.65	**	**	-	-
	THYRO1000228	148.64	127.09	184.25	73.36	64.55	57.59	55.06	55.21	55.09	**	**	-	-
	THYRO1000241	7.79	5.72	9.15	4.42	5	4.49	2.68	4.65	4.26	*	*	-	-
	THYRO1000242	18.18	23.99	29.76	25.09	51.85	27.45	12.5	20.02	16.61				
	THYRO1000246	21.57	18.12	24.56	19.46	20.13	15.33	9.29	10.17	9.72		**		-
	THYRO1000253	10.77	13.3	16.4	9.6	16.01	8.45	6.71	8.04	5.73		*		-
30	THYRO1000270	12.58	12.99	17.24	8.11	13.02	8.87	9.06	8.16	7.99	*	*	-	-
	THYRO1000279	15.04	13.53	16	8.28	14.2	7.73	7.71	7.11	4.92	**		-	-
	THYRO1000285	1215.2	1221.3	1148.5	961.64	1121.8	816.57	1261.8	1135.7	1518.7				
	THYRO1000288	24.11	22.65	22.01	13.89	25.53	14.41	22.83	21.93	20.34				
	THYRO1000296	40.86	36.2	38.51	33.51	37.84	29.24	32.78	49.02	40.29				
35	THYRO1000320	12.29	9.4	14.15	6.59	7.17	6.08	5.28	11.64	9.29	*		-	-
	THYRO1000322	37.49	34.76	35.08	17.69	26.05	19.02	19.43	23.34	20.74	**	**	-	-
	THYRO1000327	29.25	26.35	19.48	16.99	27.29	15.75	10.07	12.24	13.52		*		-
	THYRO1000343	16.65	12.58	17.82	8.18	11.42	7.21	10.1	9.05	8.44	*	*	-	-
	THYRO1000345	6.25	7.77	6.06	4.74	8.59	3.02	4.68	4.72	4.12		*		-
	THYRO1000358	13.06	10.33	11.35	6.24	8.76	7.32	8.15	6.51	9.21	*	*	-	-
	THYRO1000368	5.38	5.26	6.26	3.15	3.94	2.68	6.19	3.06	2.43	**		-	-
40	THYRO1000375	14.1	11.6	18.84	8.56	5.99	5.1	3.89	3.2	3.55	*	**	-	-
	THYRO1000381	10.31	8.3	9.78	4.37	5.3	5.96	4.17	5.35	3.59	**	**	-	-
	THYRO1000387	11.39	10.61	13.54	4.54	5.97	3.46	10.59	5.84	3.07	**		-	-
	THYRO1000394	61.78	50.97	22.02	14.67	26.91	8.08	6.98	9.73	11.33	*		-	-
	THYRO1000395	29.06	37.87	27.54	18.13	24.45	14.15	25.79	23.19	25.7	*		-	-
	THYRO1000400	10.51	10.51	9.69	3.23	12.01	5.83	3.72	3.73	3.08		**		-
45	THYRO1000401	10.42	9.53	10.77	6.74	5.06	4.73	3.24	5.18	5.6	**	**	-	-
	THYRO1000407	111.95	92.99	98.17	63.29	75.05	58.17	51.33	55.33	55.02	**	**	-	-
	THYRO1000420	15.01	13.25	17.92	11.1	11.62	8.56	12.79	12.37	14.41	*		-	-
	THYRO1000438	8.38	5.22	8.85	5.12	4.11	4.31	4.22	4.7	3.13		*		-
	THYRO1000452	15.04	12.59	12.97	5.92	10.6	6.13	2.16	3.93	4.57	*	**	-	-
	THYRO1000455	7.17	8.57	9.52	2.62	3.31	3.44	2.83	2.18	2.11	**	**	-	-
50	THYRO1000471	78.16	81.99	62.01	65.6	82.48	70.86	81.77	51.28	74.06				
	THYRO1000481	8.9	7.89	8.46	4.91	7.54	4.12	2.78	3.16	5.02		**		-
	THYRO1000484	19.83	12.76	16.87	10.37	11.59	9.38	11.21	9.7	11.91	*		-	-
	THYRO1000488	28.64	20.75	23.35	20.89	21.13	19.59	15.6	20.62	19.42				
	THYRO1000501	11.59	12.72	13.28	7.74	9.03	6.79	8.05	7.95	10.26	**	*	-	-
	THYRO1000502	55.86	52.65	49.31	44.07	46.78	38.57	44.58	40.93	38.11	*	*	-	-
55	THYRO1000505	9.64	7.65	7.27	5.56	5.82	3.06	3.98	5.47	2.02	*	*	-	-
	THYRO1000535	37.32	41.34	38.41	38.72	38.24	31.02	23.49	20.01	18.32	**		-	-
	THYRO1000556	102.92	92.57	85.3	76.31	104.96	62.73	51.56	50.77	49.93	**		-	-

Table 500

	THYRO1000558	8.54	7.17	6.38	4.15	8.61	3.01	4.26	2.04	3.45	*	-
	THYRO1000569	6.63	4.92	4.79	4.77	4	3.41	3.56	3.02	3.94	*	-
	THYRO1000570	9.09	6.95	8.33	5.27	6.38	6.54	5.25	4.89	7.09		
5	THYRO1000572	52.16	31.52	39.78	12.92	23.15	30.73	30.68	23.84	11.23		
	THYRO1000573	8.96	8.49	6.82	4.33	8.49	6.35	13.45	11.85	8.38		
	THYRO1000577	9.73	7.83	7.69	3.93	6.26	2.6	2.58	3.82	2.74	*	**
	THYRO1000580	40.58	32.54	29.95	22.22	19.86	19.81	24.19	17.34	25.52	*	*
	THYRO1000584	39.96	36.8	31.93	19.25	25.5	16.24	26.15	21.02	19.13	*	*
10	THYRO1000585	8.99	7.37	6.55	4.19	6.67	4.86	5.4	3.58	2.99	*	*
	THYRO1000596	43.85	33.14	32.61	22.94	31.65	11.59	15.52	10.88	14.47	**	-
	THYRO1000602	19.04	15.25	10.78	7.23	11.51	11.78	8.87	7.72	10.81		
	THYRO1000605	10.06	9.44	5.91	6.29	6.99	4.61	4.9	5.21	5.08		
	THYRO1000615	134.15	117.37	85.97	86.81	98.31	67.18	77.31	67	84.37		
	THYRO1000625	33.27	24.69	16.68	12.6	10.75	20.13	8.38	6.86	11.76	*	*
15	THYRO1000636	17.91	16.49	14.48	12.48	11.49	6.7	8.72	6.17	8.59	*	**
	THYRO1000637	18.22	22.2	13.43	10.39	14.05	9.78	9.07	5.2	7.26	*	*
	THYRO1000641	7.23	5.87	6.32	4.82	10.06	3.87	8.42	4.55	2.07		
	THYRO1000657	10.91	9.85	8.65	6.93	7.74	7.68	9.53	8.35	10.94	*	*
	THYRO1000658	14.37	9.48	5.1	6.28	6.83	5.43	4.59	4.62	4.77		
	THYRO1000662	10.63	9.43	8.46	6.7	6.85	6.96	7.92	7.09	10.89	*	*
20	THYRO1000666	30.51	33.5	45.43	12.9	20.33	13.81	14.6	13.53	16.48	*	**
	THYRO1000676	11.58	11.35	8.48	6.32	9.3	8.37	4.16	5.02	6.44	*	*
	THYRO1000678	23.44	18.73	20.73	10.13	15.99	8.49	9	7.38	9.87	*	**
	THYRO1000684	27.78	27.85	20.27	12.26	16.45	11.06	26.97	17.92	24.98	*	*
	THYRO1000694	16.87	11.78	10.72	5.47	10.25	5.99	12.29	9.36	8.6		
	THYRO1000699	9.11	6.36	4.55	5.62	6.31	3.48	7.37	3.08	5.06		
25	THYRO1000712	17.55	14.87	12.31	9.08	11.99	7.67	12.79	9.26	13		
	THYRO1000715	29.82	23.25	21.02	20.98	27.37	20.44	15.76	18.98	18.68		
	THYRO1000716	13.12	15.14	11.94	8.87	12	7.65	7.48	6.69	6.98	**	-
	THYRO1000717	11.89	15.21	12.45	6.9	9.22	5.08	30.93	6.96	7.18	*	*
	THYRO1000723	30.36	26.4	21.78	10.82	20.63	14.48	30.94	22.3	30.26	*	*
30	THYRO1000734	16.61	19.91	16.12	11.94	17.61	9.39	9.31	6.61	13.3	*	*
	THYRO1000748	17.46	14.06	15.87	5	7.52	5.42	7.82	5.84	7.09	**	**
	THYRO1000755	20.17	21.24	19.88	13.28	17.61	14.04	14.7	23.04	21.01	*	*
	THYRO1000756	369.81	334.57	369.63	298.51	345.41	273.28	259.37	366.07	273.4		
	THYRO1000776	4.97	4.99	7.55	4.25	6.18	4.82	2.58	5.02	3.55		
	THYRO1000777	5.42	5.63	6.34	5.34	6.01	4.03	3.82	3.75	3.21	**	-
35	THYRO1000779	483.37	458.9	483.51	453.87	549.42	449.1	368.6	510.93	458.47		
	THYRO1000782	17.27	20.25	23.35	14.58	17.12	13.37	15.61	16.4	16.35		
	THYRO1000783	5.74	5.45	6.68	5.43	9.62	4.88	3.62	5.19	3.8	*	*
	THYRO1000786	25.62	30.48	26.26	16.78	13.18	14.48	32.89	30.78	26.94	**	-
	THYRO1000787	50.52	37.21	54.05	28.71	18.06	26.25	20.11	24.5	22.66	*	**
	THYRO1000792	14.11	12.1	15.65	4.55	6.72	7.1	8.13	7.14	8.33	**	**
40	THYRO1000793	36.92	35.83	42.61	19.08	27.16	19.55	34.91	38.74	32.64	**	**
	THYRO1000795	37.33	45.29	88.32	42.19	57.36	40.15	12.57	21.17	13.38		
	THYRO1000796	10.25	11.83	14.01	6.19	10.21	5.98	7	11.89	11.1		
	THYRO1000798	9.87	14.22	12.83	9.06	8.1	7.49	5.04	7.33	5.2	*	*
	THYRO1000800	37.69	54.75	19.73	33.2	22.36	23.21	13.79	16.89	13.75		
	THYRO1000805	8.27	6.21	6.02	5.33	8.39	4.44	3.81	4.14	3.82	*	*
45	THYRO1000815	109.41	92.13	90.62	43.51	38.14	25.61	31.76	21.16	31.98	**	**
	THYRO1000829	33.86	25.13	34.71	19.68	21.68	18.45	16.87	14.34	12.65	*	**
	THYRO1000835	9.51	9.82	10.3	6.71	6.28	4.65	5.41	5.24	6.07	**	**
	THYRO1000843	27.06	16.5	24.96	16.28	19.34	15.73	6.22	7.81	8.06	**	-
	THYRO1000846	7.86	5.91	13.48	4.53	6.28	7.74	3.89	7.02	5.26		
	THYRO1000852	24.69	25.37	23.66	12.87	20.2	12.5	9.33	10.39	11.62	*	**
50	THYRO1000855	7.12	7.47	10.43	2.52	5.79	2.98	4.3	6.1	5.2	*	*
	THYRO1000865	9.21	5.67	8.64	3.4	6.56	3.18	5.99	8.76	7.67		
	THYRO1000866	57.27	46.1	51.69	32.85	43.74	27.97	46.24	39.05	41.55	*	*
	THYRO1000881	13.67	12.21	13.18	9.6	10.62	12.24	10.21	16.82	10.91		
	THYRO1000894	9.33	7.11	11.4	5.66	6.12	4.31	4.14	4.68	4.75	*	*
	THYRO1000895	8.9	5.89	10.11	3.35	4.07	4.72	4.32	4.09	3.45	*	*
55	THYRO1000916	9.19	7.72	16.87	5.02	6.67	5.27	4.16	6.12	3.42		
	THYRO1000917	6.89	10.63	12.32	4.97	9.51	5.39	6.77	7.94	6.2	*	*
	THYRO1000926	14.99	10.81	12.37	6.79	9.95	6.06	7.42	7.03	11.27	*	*

Table 501

	THYRO1000934	9.21	6.94	9.67	4.17	7.52	4.26	6.41	5.73	4.96	*	*	-
	THYRO1000951	21.19	13.82	17.24	10.15	10.71	6.54	7.11	11.34	11.56	*	*	-
5	THYRO1000952	38.82	45.17	51.97	24.89	24.37	18.77	17.55	26.97	13.34	**	**	-
	THYRO1000956	11.42	8.41	13.85	5.27	6.34	6.15	5.07	6.61	6.85	*	*	-
	THYRO1000960	9.97	3.83	8.63	2.78	4.13	2.34	2.46	2.03	6.43	*	*	-
	THYRO1000961	33.04	35.26	36.48	15.01	15.48	15.21	21.6	24.41	21.14	**	**	-
	THYRO1000964	14.43	12.46	17.93	3.92	6.7	5.62	5.43	7.53	4.58	**	**	-
	THYRO1000971	15.18	16.5	16.14	8.34	13.54	9	9.38	8.59	10.52	*	**	-
10	THYRO1000974	7.51	5.29	9.43	2.24	6.94	1.8	3.55	5.59	3.45			-
	THYRO1000975	7.71	4.75	6.93	3.36	5.71	4.79	3.77	4.87	3			-
	THYRO1000983	8.4	4.14	7.44	3.86	5.03	3.36	3.1	3.21	4.03			-
	THYRO1000984	9.35	8.4	11.52	6.49	7.32	5.22	5.08	2.55	2.65	*	**	-
	THYRO1000988	10.2	6.57	7.62	4.27	4.23	4.6	2.94	2.66	2.82	*	**	-
	THYRO1000991	12.33	10.95	12.47	5.27	7.49	7.34	5.57	6.15	6.01	**	**	-
15	THYRO1000999	9.77	12.84	10.64	5.68	8.33	5.92	5.68	3.11	2.9	*	**	-
	THYRO1001003	324.55	443.5	324.83	353.93	491.59	377.12	509.02	394.65	380.17			-
	THYRO1001015	16.58	13.37	11.66	7.36	13.81	8.4	12.04	9.04	10.47			-
	THYRO1001016	34.7	29.76	32.31	14.48	17.7	10.51	27.97	31.88	30.58	**		-
	THYRO1001022	27.6	17.2	20.61	6.98	9.39	10.85	5.35	6.58	6.8	*	**	-
20	THYRO1001031	15.75	9.57	11.29	5.12	7.05	5.99	8.13	6.39	9.34	*		-
	THYRO1001033	11.34	7.57	8.58	7.55	5.52	6.01	4.3	4.01	4.9	*		-
	THYRO1001062	12.86	12.45	12.49	4.68	5.59	4.88	3.54	3.68	2.79	**	**	-
	THYRO1001063	10.18	8.38	10.08	5.14	7.17	4.58	3.55	4.32	2.35	*	**	-
	THYRO1001071	18.49	15.5	18.23	9.12	10.91	7.86	5.73	5.41	5.84	**	**	-
	THYRO1001080	11.77	12.06	11.47	3.85	12.27	3.17	3.08	4.59	4.41	**		-
25	THYRO1001093	12.17	9.63	9.75	5.98	4.91	5	8.58	8.31	7.24	**		-
	THYRO1001100	33.06	27.59	26.02	30.29	27.98	30.28	66.02	40.22	70.38	*		+
	THYRO1001102	10.18	6.7	5.95	5.04	6.9	4.52	4.36	4.71	4.45			-
	THYRO1001104	5.1	2.75	2.78	0.69	0.92	1.62	1.32	0.94	0.7	*	*	-
	THYRO1001109	19.62	18.07	14.26	10.98	10.98	9.76	8.55	11.06	8.68	*	*	-
	THYRO1001113	10.89	6.97	7.59	2.84	3.69	2.77	2.56	1.4	2.3	*	**	-
30	THYRO1001120	9.27	9	8.82	3.46	4.66	2.98	4.02	3.07	2	**	**	-
	THYRO1001121	20.41	16.36	16.91	9.1	13.05	6.93	13.22	15.3	13.97	*		-
	THYRO1001128	25.09	18.24	17.74	8.53	9.61	6.74	3.45	4.7	7.82	**	**	-
	THYRO1001133	7.42	6.4	5.88	4	5.05	4.23	3.88	4.14	3.81	*	**	-
	THYRO1001134	29.23	23.66	23.28	16.51	20.53	18.49	22.14	16.92	20.47	*		-
	THYRO1001142	5.04	4.99	5.1	2.78	3.05	3.47	2.44	2.26	1.6	**	**	-
35	THYRO1001173	31.86	26.04	28.94	20.36	18.72	13.59	18.5	15.33	18.17	*	**	-
	THYRO1001175	95.55	98.04	80.58	104.29	114.18	77.1	51.33	46.56	49.17	**	**	-
	THYRO1001177	10.9	11.18	11.71	5.13	7.17	5.9	4.63	5.82	5.02	**	**	-
	THYRO1001189	16.52	14.55	11.53	5.76	11.24	3.42	11.07	10.9	8.86			-
	THYRO1001194	11.83	6.2	11.19	5.29	7.22	4.28	5.84	7.01	6.86			-
	THYRO1001204	52.04	33.32	32.8	18.53	22.19	18.27	39.75	37.94	46.59	*		-
40	THYRO1001205	8.98	12.23	9.39	5.39	8.08	5.04	6.55	6.04	4.85	*	*	-
	THYRO1001213	41.54	37.73	35.86	23.36	25.7	20.79	37.67	32.41	38.62	**		-
	THYRO1001224	10.86	11.43	10.75	5.38	8.69	6.7	7.21	4.53	6.36	*	**	-
	THYRO1001237	16.76	20.25	15.97	16.59	13.69	5.38	9.78	5.69	6.27	**	**	-
	THYRO1001242	13.1	19.03	16.06	12.27	8.61	6.73	9.21	5.95	9.02	*	*	-
	THYRO1001258	27.32	21.68	20.65	9.74	18.76	12.77	10.51	6.86	13.04	*	**	-
45	THYRO1001262	8.57	4.74	4.06	3.76	5.55	4.02	4.79	3.93	5.05			-
	THYRO1001266	25.45	17.38	17.48	9.96	11.28	8.76	13.97	15.24	18.55	*		-
	THYRO1001271	27.85	25.6	17.14	13.77	18.43	9.74	22.54	18.92	23.05			-
	THYRO1001287	126.74	172.63	126.71	56.76	169.06	71.99	103.16	93.81	120.13			-
	THYRO1001290	11.3	8.82	9.68	4.97	7.48	6.55	3.86	5.84	8.41	*		-
	THYRO1001291	13.9	16.44	13.22	8.85	8.33	3.9	6.83	3.64	6.66	*	**	-
50	THYRO1001297	13.17	12.27	11.41	6.73	6.89	4.23	7.87	5.3	8.04	**	**	-
	THYRO1001302	28.98	24.47	17.01	9.99	19.11	8.25	41.39	28.42	36.98			-
	THYRO1001313	3.4	2.28	2.86	1.62	1.97	1.71	3.09	2.85	2.3	*		-
	THYRO1001320	4.85	2.3	4.45	3.81	2.95	2.21	2.67	2.22	1.94			-
	THYRO1001321	84.54	108.43	89.51	45.59	48.9	36.67	60.61	56.13	42.33	**	*	-
	THYRO1001322	15.07	13.59	11.8	5.6	6.9	4.45	5.91	6.73	6.71	**	**	-
55	THYRO1001327	61.14	62.79	47.56	27.21	36.08	29.25	40.32	44.89	30.36	**	*	-
	THYRO1001336	21.04	18.95	13.64	17.33	15.44	11.88	17.21	14.24	12.35			-
	THYRO1001347	42.47	35.49	29.56	20.44	37.43	12.7	20.26	16.34	15.93	**		-

Tabl 502

	THYRO1001358	6.96	7.77	6.52	4.41	8.39	3.78	5.37	5.5	4.22	*	*	-
	THYRO1001363	36.77	35.26	36.97	12.86	20.63	14.65	24.19	31.52	25.12	**	*	-
5	THYRO1001365	2.39	1.31	4.42	2.3	2.69	1.43	1.82	2.18	1.5	*	*	-
	THYRO1001374	10.11	11.14	11.66	5.19	7.75	3.64	2.84	5.3	4.44	*	**	-
	THYRO1001401	11.45	8.59	8.77	5.02	5.3	5.96	5.5	8.56	6.31	*	*	-
	THYRO1001403	3.12	3.62	7.98	1.61	2.43	2.61	3.73	1.98	3.91	*	*	-
	THYRO1001405	84.82	60.76	92.35	68.75	78.6	50.19	53.53	29.6	47.94	*	*	-
	THYRO1001406	13.59	7.57	12.02	4.76	6.87	3.76	11.69	13.59	9.54	*	*	-
10	THYRO1001411	4.72	4.15	5.65	3.88	2.4	3.38	2.52	2.5	3.6	*	*	-
	THYRO1001420	9.34	4.82	8.71	4.7	4.71	5.55	3.24	4.39	8.81	*	*	-
	THYRO1001426	9.26	4.52	12.27	5.65	6.22	4.37	4.27	8.59	6.13	*	*	-
	THYRO1001430	10.74	13.91	18.18	13.99	18.28	13.49	6.82	9.48	10.77	*	*	-
	THYRO1001434	7.66	6.66	12.91	8.64	10.68	8.13	5.38	8.91	2.99	*	*	-
	THYRO1001456	26.49	36.99	36.98	17.02	23.99	16.92	30.71	34.81	38.85	*	*	-
15	THYRO1001457	14.33	10.91	13.26	5.72	4.54	3.33	4.05	3.22	4.83	**	**	-
	THYRO1001458	15.32	13.83	12.78	10.99	10.13	5.72	4.4	7.29	6.97	*	**	-
	THYRO1001459	5.78	4.92	7.36	2.81	3.46	4.24	3.11	4.43	5.51	*	*	-
	THYRO1001471	13.48	10.81	13.3	5.13	9.62	6.19	6.36	8.85	9.45	*	*	-
	THYRO1001478	8.04	3.79	8.01	2.94	3.62	2.21	4.12	4.22	3.59	*	*	-
20	THYRO1001480	16.07	16.86	14.48	6.78	13.68	13.34	3.54	6.61	19.35	*	*	-
	THYRO1001481	16.23	13.97	17.19	13.3	15.2	13.73	4.94	6.01	3.76	**	*	-
	THYRO1001487	39.34	43.94	45.87	41.49	42.62	34.09	36.78	39.23	41.44	*	*	-
	THYRO1001495	6.21	3.33	12.71	2.18	5.51	4.67	3.43	3.46	4.85	*	*	-
	THYRO1001498	13.82	15.45	16.61	11.32	20.15	8.37	4.81	6.08	4.31	**	*	-
	THYRO1001510	9.97	6.87	19.31	8.41	6.21	3.55	4.99	6.45	19.57	*	*	-
25	THYRO1001512	11.51	8.21	10.34	5.87	6.36	6.84	4.43	19.67	5.22	*	*	-
	THYRO1001518	12.05	16.47	10.9	4.73	8.69	4.14	4.42	4.28	5.04	*	**	-
	THYRO1001522	10.39	6.84	12.83	6.15	7.71	8	5.13	5.33	7.56	*	*	-
	THYRO1001523	15.14	10.51	16.01	7.01	9.2	6.38	3.77	3.19	4.5	*	**	-
	THYRO1001526	5.67	5.48	12.84	2.85	5.19	3.09	4.51	3.63	4.01	*	*	-
	THYRO1001529	70.52	99.68	61.07	73.62	81.82	35.88	29.07	23.9	34.69	*	*	-
30	THYRO1001534	10.48	7.92	11.72	6.09	7.42	11.24	6.53	6.35	3.17	*	*	-
	THYRO1001537	5.9	3.05	5.93	3.4	3.75	2.75	3.26	2.87	4.91	*	*	-
	THYRO1001541	27.84	38.72	38.42	23.51	30.22	18.99	22.01	26.98	14.85	*	*	-
	THYRO1001545	12.87	9.76	11.61	3.56	6.9	5.41	4.16	22.14	4.44	**	*	-
	THYRO1001559	143.67	217.09	127.43	126.92	211.99	217.97	165.83	143.91	101.7	**	**	-
	THYRO1001563	29.66	25.88	28.83	14.46	17.77	19.17	10.82	18.32	17.35	**	**	-
35	THYRO1001570	5.85	5.24	10.72	3.21	3.79	2.31	2.47	4.03	3.05	*	*	-
	THYRO1001573	10.58	14.52	15.67	7.66	10.98	10.26	4.93	9.17	5.76	*	*	-
	THYRO1001584	11.71	9.79	13.05	7.75	12.43	7.3	8.19	4.92	4.88	*	*	-
	THYRO1001593	119.63	87.93	122.57	37.27	54.3	33.56	100.89	84.41	119.61	**	*	-
	THYRO1001595	9.11	9.13	10.8	7.84	8.88	6.77	4.62	12.97	7.82	*	*	-
	THYRO1001596	6.25	3.54	8.97	3.03	4.5	2.76	3.54	3.67	4.02	*	*	-
40	THYRO1001602	7.1	6.21	7.8	6.63	4.96	5.02	4.21	4.12	2.97	**	*	-
	THYRO1001605	28.22	39.54	25.87	13.48	23.89	22.57	11.83	10.02	13.09	*	*	-
	THYRO1001608	19.26	17.94	17.77	8.3	22	8.49	8.07	8.36	11.18	**	*	-
	THYRO1001617	7.36	9.07	12.26	4.4	5.61	3.53	3.83	3.37	4.51	*	*	-
	THYRO1001634	9.8	9.15	14.08	5.65	9.76	4.62	5.62	3.69	4.86	*	*	-
	THYRO1001637	6.56	2.42	6.39	2.18	3.8	2.31	2.41	3.7	6.48	*	*	-
45	THYRO1001641	12.87	8.05	12.44	6.03	4.87	6.49	3.32	2.86	2.92	*	**	-
	THYRO1001656	20.03	12.66	30.89	7	10.07	5.22	8.32	7.53	5.64	*	*	-
	THYRO1001658	7.58	6.85	10.14	4.65	4.77	3.94	3.38	2.8	2.5	*	**	-
	THYRO1001681	150.1	98.3	106.51	135.25	166.2	125.8	74	80.32	53.76	*	*	-
	THYRO1001671	10.97	8.43	12.21	5	5.04	3.97	5.12	5.12	3.84	**	**	-
	THYRO1001672	12.9	11.31	11.75	5.85	6.91	5.08	3.69	2.74	2.72	**	**	-
50	THYRO1001673	31.04	28.57	26.79	16.85	19.7	19.9	22.8	23.43	23.51	**	*	-
	THYRO1001677	8.63	6.86	9.97	3.55	4.9	4.2	5.4	6.55	6.85	*	*	-
	THYRO1001683	39.34	16.85	25.87	16.11	18.7	19.17	8.36	10.76	9.09	*	*	-
	THYRO1001700	12.31	7.03	9.15	3.61	4.23	3.04	2.79	3.63	4.8	*	*	-
	THYRO1001702	23.7	21.62	17.4	10.57	5.8	11.44	6.01	4.83	2.94	*	**	-
	THYRO1001703	7.22	4.23	5.14	2.63	3.23	1.81	2.37	2.42	2.04	*	*	-
55	THYRO1001706	8.39	5.62	8.09	3.72	3.11	3.37	3.24	2.65	1.26	*	**	-
	THYRO1001721	11.69	10.42	16.73	8.09	4.98	4.46	3.92	2.33	3.87	*	**	-
	THYRO1001725	147.69	144.4	144.74	111.99	128.3	86.63	130.43	106.61	93.76	*	*	-

Table 503

	THYRO1001730	7.74	3.57	7.41	4.48	4.19	3.07	3.64	4.09	4.72			
	THYRO1001738	1.57	3.03	2.24	0.97	0.17	0.58	0.7	0.99	1.64	*	-	
	THYRO1001743	5.12	3.48	3.39	1.67	2.12	2.94	1.98	2.6	2.48			
5	THYRO1001745	30.25	14.84	20.6	6.81	4.65	9.25	12.7	8.09	11.05	*	-	
	THYRO1001746	10.78	5.89	7.69	2.83	3.1	3.64	3.64	1.32	2.13	*	*	-
	THYRO1001770	20.01	12.02	16.57	10.05	13	10.49	5.37	6.07	5.43	*	*	-
	THYRO1001772	29.2	56.08	29.11	28.47	34.34	15.95	9.21	8.24	9.37	*	*	-
	THYRO1001778	39.03	35.61	22.42	13.39	32.45	16.04	9.42	8.03	11.2	*	*	-
10	THYRO1001793	9.35	3.26	5.98	4.02	4.49	3.37	4.45	4.26	5.77			
	THYRO1001796	66.96	62.34	52.36	31.61	31.58	30.06	74.83	63.67	78.59	**	-	
	THYRO1001800	25.21	17.42	21.74	19.92	16.43	13.71	8.41	10.02	11.59	**	*	-
	THYRO1001803	12.96	11.11	10.61	7.04	8.3	3.44	5.71	5.48	6.64	*	**	-
	THYRO1001809	10.44	7.96	6.8	4.59	3.72	3.71	3.62	1.76	1.34	*	**	-
	THYRO1001817	18.78	13.28	15.51	15.03	13.53	6.93	8.79	4.88	8.37	*	*	-
15	THYRO1001819	14.15	14.31	9.69	5.8	6.63	6.06	6.27	4.29	5.81	*	*	-
	THYRO1001828	8.14	8.22	6.65	5.42	7.94	4.29	7.29	4.25	2.47			
	THYRO1001854	50.53	32.88	37.71	33.17	34.18	22.81	22.16	27.13	21.15	*	*	-
	THYRO1001895	9.86	7.83	3.92	4.41	4.53	2.55	3.7	10.54	3.46			
	THYRO1001907	27.03	13.41	12.49	9.48	10.54	7.02	4.92	4.41	6.47			
20	TRACHI000006	9.54	7.16	8.08	5.68	4.66	5.53	6.46	4.52	6.76	*	*	-
	TRACHI000013	9.02	5.8	8.2	2.58	4.45	3.1	3.07	2.02	4.14	*	*	-
	TRACHI000074	13.69	9.32	8.63	4.66	5.76	4.06	6.37	3.07	3.63	*	*	-
	TRACHI000095	11.28	8.48	10.55	5.54	3.9	3.41	3.79	4.56	3.68	**	**	-
	TRACHI000102	26.86	26.3	20.1	15.81	18.57	15.2	32.52	24.6	27.09	*	*	-
	TRACHI000108	88.66	59.61	40.48	28.57	26.39	20.8	69.3	56.08	66.91	*	*	-
	TRACHI000126	17.36	13.19	13.78	8.07	9.6	6.46	5.91	5.75	6.51	*	**	-
25	TRACHI000146	7.25	6.83	5.07	5.29	3.75	3.17	3.49	3.25	4.97	*	*	-
	TRACHI000160	11.76	11.24	7.7	4.05	5.59	4.95	5.32	4.22	5.87	*	*	-
	TRACHI000184	33.51	45.86	50.29	14.82	25.81	22.15	25.29	16.88	23.76	*	*	-
	VESEN1000004	11.35	8.9	8.13	5.46	9.59	6.32	5.53	5.44	6.01	*	*	-
	VESEN1000007	32.64	30.13	26.81	16.7	21.99	18.54	37.52	29.73	33.89	**	*	-
30	VESEN1000013	13.16	11.68	12.05	7.19	9.9	4.25	7.18	4.46	8.92	*	*	-
	VESEN1000028	23.17	20.53	28.94	10.16	15.29	14.76	9.13	12.72	8.48	*	**	-
	VESEN1000059	4.76	3.32	5.57	3.56	3.32	3.56	1.16	3.33	1.96			
	VESEN1000100	8.85	5.84	8.92	5.55	6.82	5.48	3.69	5.59	3.98	*	*	-
	VESEN1000107	158.28	125.83	134.47	126.46	135.37	133.6	74.61	79.36	82.66	**	*	-
	VESEN1000117	3.74	4.02	10.93	3.48	5.02	4.1	2.18	2.11	2.69			
35	VESEN1000122	5.84	5.31	7.17	3.91	7.47	3.29	2.52	3.75	2.41	*	*	-
	VESEN1000137	7.93	10.91	7.7	8.31	5.46	4.02	3.34	3.36	5.77	*	*	-
	VESEN1000195	12.47	4.75	10.07	4.43	4.22	7.07	3.11	4.32	13.25			
	VESEN1000215	89.55	69.15	78.83	74.46	93.71	81.06	50.08	36.95	43.24	**	*	-
	VESEN1000279	16.42	11.12	19.97	7.86	19.23	9.52	8.84	13.86	21.33			
	VESEN1000363	40.43	29.46	56.48	41.4	53.72	50.13	17.51	33.82	20.25			
40	VESEN1000388	4.51	6.13	9.09	5.56	8.45	6.21	3.44	6.29	2.57			
	VESEN1000394	137.33	123.92	135.03	107.32	177.33	115.58	81.85	76.56	86.04	**	*	-
	VESEN1000410	7.84	11.73	12.31	7.37	8.85	7.32	5.82	6.16	5.5	*	*	-
	VESEN1000411	14.34	16.7	11.87	14.26	14.7	9.52	6.54	4.28	7.07	**	*	-
	VESEN1000415	6.65	6.22	8.5	3.16	5.01	4.35	2.06	3.93	7.37	*	*	-
	VESEN1000440	7.1	4.56	7.48	10.06	4.69	9.04	3.62	8.97	6.76			
45	VESEN1000452	127.08	114.54	102.58	100.33	106.23	122.79	77.87	58.16	82.71	*	*	-
	VESEN1000539	57.4	47.68	67.32	36.3	45.7	42.57	51.56	51.15	50.18			
	VESEN1000554	7.29	12.24	14.13	6.05	4.57	6.75	3.69	3.4	3.85	*	*	-
	VESEN1000557	4.5	6.91	10.86	5.64	5.73	4.35	3.05	2.96	4.75			
	VESEN1000575	16	18.27	24.28	11.3	16.07	11.77	13.59	13.83	16.27			
	VESEN1000585	14.4	14.28	13.38	9.87	13.37	6.72	4.91	4.08	5.01	**	*	-
50	VESEN1000592	28.09	20.04	22.75	8.88	11.53	7	7.53	8.48	8.84	**	**	-
	VESEN1000658	9.27	5.98	6.99	4.92	3.93	3.11	3.31	12.18	6.06	*	*	-
	VESEN1000669	7.65	11.62	18.09	8.2	9.11	7.91	4.21	6.96	3.61			
	VESEN1000743	27.12	25.27	28.49	19.46	23.17	19.77	12.01	15.14	12.53	*	**	-
	VESEN1000752	23.77	18.91	24.8	11.19	11.63	9.8	14.24	19.48	18.19	**	*	-
	VESEN1000761	7.03	8.3	9.9	5.64	5.41	3.65	3.1	8.25	5.47	*	*	-
55	VESEN2000039	16.58	20.4	16.46	7.12	12.23	7.45	5.23	4.66	6.91	*	**	-
	VESEN2000102	15.76	17.97	17.55	7.45	12.52	8.13	11.35	8.16	13.31	*	*	-
	VESEN2000164	69.66	54.85	54.07	18.32	20.39	15.6	15.69	21.51	20.97	**	**	-

Table 504

	VESEN2000175	7.45	6.95	7.39	3.43	6.1	3.72	4.64	8.1	4.35	*	-	-
	VESEN2000186	18.04	20.73	21.8	11.19	14.77	10.58	8.74	12.84	12.61	**	**	-
5	VESEN2000199	11.71	6.48	9.95	8.59	9.24	5.52	6.89	6.26	14.79			-
	VESEN2000200	150.21	142.83	144.63	172.94	215.31	128.05	93.38	87.48	97.05		**	-
	VESEN2000204	7.05	7.07	9.65	4.56	4.24	3	2.19	4.63	3.19	*	*	-
	VESEN2000218	16.65	12.07	17.29	7.31	8.24	6.16	8.32	5	5.15	**	**	-
	VESEN2000230	12.09	13.48	13.57	4.57	10.45	4.08	3.93	4.19	2.98	*	**	-
	VESEN2000272	8.95	9.01	11.14	4.32	3.66	3.22	4.36	3.53	4.22	**	**	-
10	VESEN2000299	8.61	7.23	11.81	5.04	5.83	4.25	3.6	5.71	4.76	*	*	-
	VESEN2000323	17.3	12.74	15.22	15.36	17.47	14.24	5.84	6.35	4.65	**		-
	VESEN2000327	18.5	9.19	14.45	6.81	8.17	7.45	3.2	5.07	5.85	*		-
	VESEN2000328	7.53	7.78	8.38	3.45	4.17	4.12	2.35	2.19	1.81	**	**	-
	VESEN2000330	25.07	20.15	22.73	13.34	18.45	13.16	15.63	15.15	15	*	**	-
	VESEN2000336	7.29	9.37	11.82	5.86	9.09	5.78	3.64	3.5	5	*	*	-
15	VESEN2000354	10.99	9.78	10.4	5.27	8.22	4.93	3.58	3.58	2.59	*	**	-
	VESEN2000378	168.58	110.88	139.59	81.44	99.69	74.23	74.17	76.59	54.75	*	*	-
	VESEN2000379	32.08	21.47	28.34	16.72	15.12	13	22.77	26.45	21.84	*		-
	VESEN2000397	21.17	10.11	25.4	12.77	12.2	10.8	15.72	16.01	17.99			-
	VESEN2000416	5.92	5.21	7.48	3.5	6.28	4.01	2.87	3.94	3.48	*		-
20	VESEN2000420	8.47	4.35	7.18	4.04	3.81	2.46	2.31	4.27	1.92			-
	VESEN2000430	8.74	5.76	7.33	2.94	5.32	2.11	1.8	2.27	0.71	*	**	-
	VESEN2000448	14.67	14.58	16.08	4.71	4.34	2.88	3.91	2.23	2.27	**	**	-
	VESEN2000449	46.1	50.29	39.97	32.75	32.82	21.56	37.62	28.99	23.73	*	*	-
	VESEN2000456	45.88	33.52	32.47	18.88	21.08	19.47	15.48	22.28	22.31	*	*	-
	VESEN2000562	6.11	3.13	4.69	5.4	3.95	3.19	3.24	2.45	2.42	*	*	-
25	VESEN2000573	26.67	20.52	18.39	14.29	11.45	8.79	8.94	7.46	12.2	*	*	-
	VESEN2000504	9.02	7.76	4.59	4.65	4.32	4.42	1.84	4.41	1.34	*	*	-
	VESEN2000514	9.59	7.78	6.05	4.77	5.05	4.35	3	3.94	2.87	*	*	-
	VESEN2000638	16.75	10.83	10.74	6.38	9.46	6.26	4.67	4.46	3.5	*	*	-
	VESEN2000641	15.71	14.29	14.25	7.95	7.6	6.71	8.94	7.41	6.6	**	**	-
	VESEN2000645	9.28	11.51	10.65	5.27	8.01	4.95	5.42	4.96	6.81	*	**	-
30	Y79AA1000013	24.66	15.88	15.09	6.08	5.43	5.53	13.59	13.07	18.88	*		-
	Y79AA1000030	19.52	16.62	14.47	8.07	7.77	10.99	7.86	7.77	10.02	*	**	-
	Y79AA1000033	29.91	18.65	28.38	16.37	15.72	11.59	28.15	19.64	28.85	*		-
	Y79AA1000037	4.94	2.8	4.89	5.26	3.24	0.91	1.44	1.94	2.43	*	*	-
	Y79AA1000041	79.98	53.74	54.67	39.77	36.14	29.21	42.77	30.09	45.97	*	*	-
	Y79AA1000059	9.8	7.3	8.44	4.37	5.08	2.06	5.32	3.01	5.11	*	*	-
35	Y79AA1000065	116.14	101.03	106.53	93.49	124.96	111.44	68.74	63.93	65.56	**	**	-
	Y79AA1000081	7.88	11.03	9.72	7.03	9.28	7.22	5.68	4.38	3.88	**		-
	Y79AA1000127	8	5.82	5.2	3.17	4.25	2.35	5.28	6.34	4.47	*		-
	Y79AA1000130	20.16	11.01	14.68	13.04	8.43	8.05	14.41	16.35	14.16			-
	Y79AA1000131	17.14	8.99	11.18	6.93	10.63	6.92	6.82	8.55	6.52			-
	Y79AA1000134	6.34	7.52	5.68	7.86	5.61	3.09	4.16	2.2	3.07	*		-
40	Y79AA1000143	8.89	7.38	8.14	3.93	5.83	3.75	3.23	2.53	3.96	*	**	-
	Y79AA1000144	11.79	8.62	9.18	5.64	6.37	5.56	3.97	3.84	3.36	*	**	-
	Y79AA1000150	28.57	28.05	20.04	12.4	17.77	10.86	24.46	16.09	20.29	*		-
	Y79AA1000153	11.32	11.62	7.41	5.89	9.36	6.53	6.84	5.59	6.52			-
	Y79AA1000166	13.75	6.3	9.45	4.16	5.68	2.88	7.42	8.85	8.76			-
	Y79AA1000179	13.15	8.67	7.74	7.91	7.5	4.67	13.52	5.81	8.18			-
45	Y79AA1000181	14.37	9.22	8.77	6.64	8.41	3.93	3.41	3.97	4.65	*	*	-
	Y79AA1000202	22.9	17.78	19.17	14.55	12.31	8.36	18.27	13.59	20.94	*		-
	Y79AA1000207	52.28	63.3	44.9	24.04	38.89	23.79	15.85	13.31	14.27	*	**	-
	Y79AA1000214	9.44	4.9	5.66	4.71	4.79	4.18	5.54	2.28	3.2			-
	Y79AA1000222	11.34	8.61	7.95	5.13	7.04	2.26	4.7	3.53	4.67	*	*	-
	Y79AA1000226	27.21	25.59	19.24	12.19	15.74	11.35	24.75	16.69	21.48	*		-
50	Y79AA1000227	9.07	6.57	6.62	3.66	4.45	3.9	7.4	6.45	7.51	*		-
	Y79AA1000230	32.97	25.47	29.26	12.55	10.05	6.68	4.18	3.82	4.93	**	**	-
	Y79AA1000231	65.27	41.2	48.87	47.4	47.89	24.64	28.97	32.14	28.29	*		-
	Y79AA1000239	74.35	85.68	67.35	68.07	52.75	45.41	64.49	54.97	44.91			-
	Y79AA1000258	8.42	5.48	5.2	4.36	4.01	3.09	3.34	2.93	4.62			-
	Y79AA1000268	80.53	75.19	49.36	22.18	30.03	27.42	30.39	28.87	31.5	*	*	-
55	Y79AA1000269	73.43	71.24	52.77	41.13	70.01	36.67	77.91	62.7	65.45			-
	Y79AA1000270	10.85	7.03	4.1	4.98	7.95	3.4	5.03	5.7	4.72			-
	Y79AA1000280	25.49	25.11	28.96	8.6	12.9	9.27	5.74	8.76	6.26	**	**	-

Table S05

	Y79AA1000285	22.27	16.31	18.63	6.85	10.3	7.36	15.47	22.31	18.9	**	-
	Y79AA1000295	4.35	2.68	5.01	1.59	3.76	2.11	2.3	2.59	2.22		
5	Y79AA1000307	6.82	4.93	8.12	6.39	9.3	7.36	3	5.88	4.49		
	Y79AA1000313	4.28	2.34	3.94	1.66	3.1	3.25	1.93	2.47	1.62		
	Y79AA1000314	1.57	1.83	4.11	1.4	1.41	0.98	0.87	0.14	1.73		
	Y79AA1000328	3.78	3.39	5.43	2.09	10.7	2.68	3.27	3.33	3.32		
	Y79AA1000334	9.59	9.06	7.49	5.79	6.64	3.5	5.12	3.62	4.02	*	**
	Y79AA1000342	17.48	13.29	18.31	13.02	15.9	13.67	34.2	31.79	30.43	**	+
10	Y79AA1000346	17.08	11.48	18.69	8.72	9.82	6.74	5.35	5.97	4.15	*	**
	Y79AA1000347	28.82	26.71	31.26	22.14	31.96	28.74	20.9	20.82	19.69	**	-
	Y79AA1000349	15.95	20.35	20.7	17.44	19.4	18.58	5.37	7.08	5.15	**	-
	Y79AA1000355	11.9	11.6	17.89	14.98	13.32	9.11	5.25	6.54	7.95	*	-
	Y79AA1000368	5.31	4.56	7.88	4.89	6.47	3.77	2.77	3.21	1.95	*	-
	Y79AA1000388	9.85	11.63	11.71	9.62	9.75	4.51	5.03	4.57	5.04	**	-
15	Y79AA1000392	13.05	13.68	11.25	7.92	12.06	6.34	12.1	13.67	13.52		
	Y79AA1000405	100.68	62.31	79.28	103.67	109.59	81.35	71.19	52.24	66.44		
	Y79AA1000410	8.13	6.1	10.22	6.13	5.36	5.28	4.83	4.8	5.17		
	Y79AA1000420	11.1	11.77	13.46	5.41	8.52	5.43	6.77	7.21	5.64	*	**
	Y79AA1000423	7.61	9.21	8.96	4.48	6.29	5.4	4.36	2.75	3.4	*	**
20	Y79AA1000426	5.75	6.96	10.05	4.68	5.08	3.97	3.38	2.69	2.24	*	*
	Y79AA1000432	5.62	5.18	10.2	4.71	5.75	4.03	2.85	3.99	8.12		
	Y79AA1000453	32.42	33.52	37.01	20.21	25.21	18.7	36.98	32.84	33.05	**	-
	Y79AA1000465	4.43	1.91	3.14	1.7	4.29	1.76	2.57	2.29	2.11		
	Y79AA1000469	35.31	28.37	27.42	30.17	34.28	32.32	21.89	31.66	24.15		
	Y79AA1000480	11.78	8.51	13.38	5.22	5.02	5.9	5.84	10.93	8.28	*	-
	Y79AA1000502	19.24	16.15	21.16	8.66	14	12.35	16.39	18.08	18.17	*	-
25	Y79AA1000521	75.16	71.09	84.73	74.85	78.28	67.85	48.04	51.73	45.89	**	-
	Y79AA1000534	13.31	15.15	20.4	13.25	14.05	10.71	13.15	11.71	11.75		
	Y79AA1000538	12.36	14.67	20.45	9.58	11.27	5.96	3.97	0	4.64	**	-
	Y79AA1000539	15.51	16.32	14.99	9.48	12.74	10.1	5.39	5.2	6.13	*	**
	Y79AA1000540	10.2	7.44	12.08	3.41	6.65	4.35	12.15	10.44	10.32	*	-
30	Y79AA1000560	180.34	128.09	149.28	162.08	194.06	150.66	118.75	125.1	108.26		
	Y79AA1000574	12.15	9.72	10.83	5.66	8.8	4.53	10.59	16.21	10.56	*	-
	Y79AA1000584	40.25	35.5	37.1	23.89	28.68	25.51	26.96	34.59	37.41	**	-
	Y79AA1000589	9.65	4.15	9.45	2.79	3.53	2.1	3.54	8.38	4.6		
	Y79AA1000598	34.26	29.42	37.32	17.43	15.95	16.46	24.89	27.55	21.09	**	*
	Y79AA1000600	44.58	45.66	51.58	51.4	52.23	39.65	32.06	30.08	26.05	**	-
35	Y79AA1000609	7.91	6.61	8.76	1.95	5.66	3.3	3.74	4.36	7.05	*	-
	Y79AA1000618	20.27	20.13	21.51	6.61	13.31	6.56	19.86	14.92	16.1	**	-
	Y79AA1000627	18.35	16.53	18.66	9.09	10.58	9.21	14.78	8.21	19.69	**	-
	Y79AA1000636	5.21	2.52	7.03	3.36	4.46	4.2	2.54	3.13	1.94		
	Y79AA1000649	19.51	21.35	25.26	12.58	12.75	9.69	16.99	19.63	19.13	**	-
	Y79AA1000656	7.37	5.14	7.48	2.86	2.97	2.28	2.83	3.72	2.99	**	*
40	Y79AA1000673	8.38	7.17	11.58	4.74	3.89	5.74	1.87	4.27	2.18	*	*
	Y79AA1000674	131.64	157.11	127.73	143.89	140.32	116.2	111.11	118.96	120.08		
	Y79AA1000678	22.12	27.62	25.96	12.61	21.55	13.08	21.7	19.94	19.36	*	-
	Y79AA1000682	14.62	11.86	13.44	6.55	8.13	6.38	12.74	13.35	11.29	**	-
	Y79AA1000683	37.64	24.6	33.28	19.88	16.2	12.73	33.87	33.73	36.17	*	-
	Y79AA1000697	46.01	35.33	48.41	23.15	27.46	23.15	15.24	20.88	15.95	*	**
45	Y79AA1000700	3.64	3.69	5.68	3.34	3.06	2.62	3.63	2.27	2.51		
	Y79AA1000702	50.6	33.01	36	23.71	24.96	18.05	18.21	11.97	15.36	*	*
	Y79AA1000704	93.86	71.31	88.5	110.92	93.16	106.68	74.22	61.46	46.95		
	Y79AA1000705	6.23	6.74	7.37	1.82	2.22	2.09	2.28	0.28	2.39	**	**
	Y79AA1000717	8.36	6.77	8.13	4.95	8.96	4.55	2.44	3.74	2.84	**	-
	Y79AA1000722	10.83	11.52	10.81	4.97	5.79	3.98	6.28	5.41	5.45	**	**
50	Y79AA1000724	42.59	35.15	44.52	31.42	30.43	23.04	24.2	29.89	31.56	*	*
	Y79AA1000726	8.78	4.43	7.31	5.15	4.77	4.25	2.41	3.94	2.09	*	-
	Y79AA1000734	5.72	4.05	6.45	2.81	2.76	3.45	2.68	2.98	0.98	*	-
	Y79AA1000748	7.45	7.72	6.69	2.89	2.82	2.75	2.52	2.6	2.35	**	**
	Y79AA1000750	41.52	33.1	33.65	18.03	22.65	18.6	26.15	29.63	22.6	**	*
	Y79AA1000752	9.11	9.26	10.14	4.75	3.47	2.23	2.34	2.01	1.29	**	**
55	Y79AA1000774	19.25	19.31	26.89	10.74	13.71	10.53	12.54	14.59	12.73	*	*
	Y79AA1000776	12.05	9.97	9.69	5.12	6.81	2.36	10.58	10.24	7.92	*	-
	Y79AA1000777	17.61	11.59	13.15	7.32	8.15	7.21	6.02	5.12	6.68	*	*



Table 506

	Y79AA1000778	20.06	13.62	11.66	10.8	9.69	8.29	13.52	13.51	12.96			
	Y79AA1000782	11.43	7.55	9.19	7.76	8.46	7.38	6.62	5.21	4.82	*		
5	Y79AA1000784	13.14	10.21	12.84	4.67	6.08	6.71	10.7	9.6	9.71	**		
	Y79AA1000794	46.19	39.88	38.82	22.35	24.71	16.75	37.28	33.24	34.17	**		
	Y79AA1000800	7.18	3.91	5.09	0.48	0.36	0.17	2.34	0	0	**	*	
	Y79AA1000802	11.45	13.12	10.85	5.78	8.8	4.96	3.89	4.75	3.77	*	**	
	Y79AA1000805	21.22	18.33	12.77	6.7	11.14	4.1	15.87	12.52	16.72	*		
	Y79AA1000814	27.49	21.74	19.65	16.59	17.35	12.96	22	17.22	22.17			
10	Y79AA1000823	14.24	7.73	9.85	4.94	4.36	5.06	6.73	6.96	8.36	*		
	Y79AA1000824	16.24	10	9.76	8.11	9.28	6.16	6.82	5.83	8.72			
	Y79AA1000827	9.71	3.82	4.6	3.63	3.22	2.56	3.51	2.06	2.83			
	Y79AA1000831	7.38	5.79	7.27	4.13	3.32	2.68	4.43	0.57	1.26	**	*	
	Y79AA1000833	22.35	19.25	16.88	12.38	7.9	8.89	19.38	11.86	18.04	**		
	Y79AA1000850	33.44	40.57	26.99	19.52	21.81	14.62	28.93	23.5	32.01	*		
15	Y79AA1000856	6.26	7.4	4.9	2.81	6.29	2.12	4.31	2.48	3.63	*		
	Y79AA1000862	8.84	4.04	5.05	7.04	4.31	3.07	5.61	5.34	5.05			
	Y79AA1000876	21.17	10.25	11.73	7.67	6.82	6.01	5.79	7.01	6			
	Y79AA1000888	32.02	25.94	21.68	17.64	17.29	12.59	18.41	20.33	23.17	*		
	Y79AA1000902	6.26	5.68	6.17	4.27	4.4	2.72	2.73	2.97	2.19	*	**	
20	Y79AA1000935	76.11	52.08	52.32	70.65	71.58	69.22	39.77	35.2	32.3	*		
	Y79AA1000959	48.22	40.7	37.08	25.45	33.48	19.11	26.33	21.44	21.93	*	**	
	Y79AA1000962	46.82	45.31	38.99	22.79	24.29	17.48	60.82	38.12	53.14	**		
	Y79AA1000963	25.33	35.17	19.37	13.71	17.32	12.79	14.75	14.39	13.92			
	Y79AA1000966	41.31	37.86	31.25	27.6	23.69	23.7	32	18.68	25.22	*		
	Y79AA1000967	19.13	9.69	10.03	8.88	7.99	4.65	1.27	8.2	0.25			
25	Y79AA1000968	25.81	16.48	14.41	11.57	12.79	6.94	25.2	19.6	28.68			
	Y79AA1000969	40.02	39.97	33.37	23.55	39.74	36.04	32.93	30.52	18.66			
	Y79AA1000976	22.75	15.17	16.99	14.98	19.84	15.88	14.85	10.98	11.26			
	Y79AA1000978	8.83	7.09	6.8	4.57	5.39	2.66	4.35	3.43	4.33	*	**	
	Y79AA1000985	8.02	3.9	5.83	4.32	4.39	1.76	4.37	2.17	1.99			
	Y79AA1000989	295.68	243.92	218.77	78.52	138.6	77.87	70.03	46.49	61.43	**	**	
30	Y79AA1000991	12.26	8.35	10.64	5.63	5.93	8.76	7.23	8.65	6.01			
	Y79AA1001013	42.37	37.07	51.31	24.72	27.17	18.23	24.27	34.59	22.31	*	*	
	Y79AA1001014	16.53	17.99	19.41	12.93	20.24	14.74	13.35	18.92	15.51			
	Y79AA1001019	8.07	6.21	8.29	4.14	5.05	5.04	2.84	5.3	3.51	*	*	
	Y79AA1001020	13.89	16.72	13.86	21.03	12.53	10.76	9.5	10.16	11.46	*		
	Y79AA1001023	7.28	6.24	9.28	4.31	8.03	5.29	3.01	3.87	2.51	*		
35	Y79AA1001030	28.41	43.95	33.86	36.62	21.08	22.74	16.86	22.85	18.21	*		
	Y79AA1001035	10.6	13.73	10.93	9.68	10.73	7.69	7.26	7.72	8.91	*		
	Y79AA1001041	14.5	11.14	15.3	8.73	9.98	7.28	9.17	13.51	15.31	*		
	Y79AA1001043	22.79	19.12	22.36	8.78	13.48	10.29	9.42	13.86	17.78	**	*	
	Y79AA1001048	12.86	13.5	12.88	6.65	11.19	7.59	6.44	7.55	6.3	*	**	
	Y79AA1001056	6.67	9.77	12.37	5.42	9.5	6.82	2.1	3.99	2.72	*		
40	Y79AA1001061	11.12	17.1	15.18	5.75	10.72	7.78	8.04	10.36	12.77	*		
	Y79AA1001062	4.7	4.96	6.24	2.95	3.71	2.56	2.92	2.19	2.28	*	**	
	Y79AA1001068	6.22	3.59	5.75	4.34	5.98	4.49	3.29	3.38	3.07			
	Y79AA1001073	17.6	17.56	20.08	5.98	13.24	7.19	16.17	13.71	20.42	*		
	Y79AA1001077	7.3	2.86	6.26	7.08	4.43	3.45	1.86	5.22	1.86			
	Y79AA1001078	7.29	5.05	6.25	3.73	4.63	2.99	3.3	5.06	3.66	*		
45	Y79AA1001081	7.84	5.5	8.85	3.05	3.81	3.52	2.8	3.1	3.74	*	*	
	Y79AA1001088	36.17	40.23	42.34	24.5	22.27	19	24.36	30.94	32.13	**	*	
	Y79AA1001089	332.88	366.62	308.34	284.36	390.54	408.65	237.36	376.46	392			
	Y79AA1001090	7.05	4.26	8.66	4.12	3.36	2.71	3.39	1.8	2.5	*		
	Y79AA1001105	22.53	22.64	23.57	8.51	14.07	9.94	17.11	15.32	15.62	**	**	
	Y79AA1001142	114.5	98.72	131.88	102.55	114.58	143.24	69.56	60.81	74.51	*		
50	Y79AA1001145	98.33	98.57	100.63	125.36	121.38	91.71	78	59.2	74.76	**		
	Y79AA1001162	126.48	83.55	107.65	92.38	93.62	73.32	97.56	124.59	105.84			
	Y79AA1001167	12.61	7.85	13.06	7.92	8.62	6.56	7.15	16.96	9.58			
	Y79AA1001176	75.12	80.1	84.48	76.52	65.54	64.34	46.71	59.03	47.45	*	**	
	Y79AA1001177	8.46	7.48	10.23	4.06	5.51	3.51	3.45	4.68	2.96	*	**	
	Y79AA1001179	54.1	53.61	67.63	28.64	33.09	26.42	13.82	47.33	10.91	**		
55	Y79AA1001185	32.79	30.94	36.04	15.68	21.34	16.32	19.9	17.65	25.06	**	**	
	Y79AA1001201	45.08	50.33	41.06	13.71	31.35	17.81	48.16	43.78	38.95	*		
	Y79AA1001205	18.73	12.88	21.83	8.38	8.46	6.14	7.31	11.86	11.81	*		

Table 507

	Y79AA1001211	21.15	21.66	22.83	13.08	12.91	10.43	0.44	20.18	19.17	**	-	-
	Y79AA1001212	128.68	116.33	107.84	151.9	151.84	105.91	80.87	83.57	67.14	**	*	-
5	Y79AA1001216	31.68	27.07	33.84	18.3	19.09	14.63	17.05	18.24	23.12	**	*	-
	Y79AA1001228	7.97	5.25	12.95	3.35	3.4	3.64	3.41	10.17	4.89			
	Y79AA1001233	8.26	6.53	16.79	3.45	3.77	2.51	2.28	3.79	3.13			
	Y79AA1001236	8.84	5.25	11.14	5.02	5.53	3.13	4.08	4.7	2.24			
	Y79AA1001239	74.22	59.48	53.54	45.62	83.11	43.05	50.35	42.44	46.18			
	Y79AA1001240	70.83	49.07	64.4	30.83	35.04	20.32	48.49	59.48	54.67	*	-	-
10	Y79AA1001255	8.89	10.29	10.55	7.47	6.78	6.42	0.72	6.35	0.76	**	*	-
	Y79AA1001264	14.2	10.19	13.36	9.71	10.05	8.67	4.58	4.84	6.39	**	*	-
	Y79AA1001272	15.16	12.6	13.5	3.77	6.76	5.59	8.85	7.59	6.53	**	*	-
	Y79AA1001281	8.87	7.72	6.68	4.17	4.8	3.47	2.65	2.22	2.28	**	**	-
	Y79AA1001299	9.39	10.08	9.6	4.21	5.3	4.49	3.28	3.68	3.29	**	**	-
	Y79AA1001312	40.47	42.72	35.81	17.92	27.92	14.77	29.7	20.85	26.67	*	*	-
15	Y79AA1001319	31.92	23	20.23	23.19	28.4	16.96	30.43	20.02	18			
	Y79AA1001323	32.99	27.82	34.32	14.07	19.03	14.31	25.9	23.32	27.9	**	-	-
	Y79AA1001328	28.33	16.1	28.16	14.56	12.93	12.69	4.94	7.51	4.42	*	-	-
	Y79AA1001343	12.56	8.01	10.99	6.43	7.59	7.49	6.83	9.08	8.27			
	Y79AA1001351	6.64	4.21	8.23	2.99	1.8	1.8	2.08	2.52	1.68	*	*	-
20	Y79AA1001364	8.06	5.02	6.85	3.26	2.98	2.12	4.06	2.93	1.74	*	*	-
	Y79AA1001367	145.27	118.42	143.46	117.7	132.8	94.77	76.65	57.61	66.99	**	-	-
	Y79AA1001384	45.86	52.17	41.89	27.43	34.83	21.42	31.33	29.86	26.76	*	**	-
	Y79AA1001391	10.96	12.22	10.34	2.99	9.55	4.77	7.43	7.31	6.01	**	-	-
	Y79AA1001394	24.73	14.05	14.28	9.7	6.32	9.07	6.42	10.16	9.01			
	Y79AA1001402	12.42	7.77	9.12	5.62	4.8	4.67	4.74	3.87	4.52	*	*	-
25	Y79AA1001410	5.24	2.77	3.09	3.28	1.53	1.95	2.62	0.78	1.99			
	Y79AA1001414	27.49	18.53	20.44	10.78	9.47	10.2	16.16	13.43	11.92	*	*	-
	Y79AA1001426	271.77	221.23	225.78	200.19	221.07	217.77	202.63	211.55	197.64			
	Y79AA1001427	15.18	10.97	10.9	6.77	10.81	5.39	6.71	6.07	6.74	*	-	-
	Y79AA1001430	22.25	17.58	19.52	10.25	13.63	7.85	11.32	11.76	10.84	*	**	-
	Y79AA1001439	6.75	4.58	4.31	2.6	4.23	1.25	2.94	2.35	2.98	*	-	-
30	Y79AA1001485	17.57	9.99	14.92	13.26	10.56	8.25	5.32	10.37	14.36			
	Y79AA1001493	20.47	12.23	13.25	9.02	11.27	6.64	13.37	13.83	16.06			
	Y79AA1001511	14.52	8.05	9.32	8.33	6.58	5.82	5.2	6	5.96			
	Y79AA1001523	10.03	6.72	7.33	6.48	4.81	3.84	4.54	3.21	2.59	*	-	-
	Y79AA1001530	11.44	7.57	8.59	6.84	8.84	5.29	6.2	7.76	5.77			
	Y79AA1001532	13.55	14.73	11.04	5.35	5.16	4.93	5.08	4.52	6.49	**	**	-
35	Y79AA1001533	56.5	68.51	50.9	29.97	36.82	26.92	69.28	61.19	56.58	*	-	-
	Y79AA1001541	8.12	8.52	5.25	4.02	4.89	2.24	4.69	2.24	2.18	*	*	-
	Y79AA1001548	67.38	47.55	44.48	30.61	26.42	21.92	46.07	51.22	51.86	*	-	-
	Y79AA1001555	14.35	9.75	8.13	8.86	4.86	4.97	8.19	7.68	10.98			
	Y79AA1001562	18.44	13.73	12.82	8.99	10.6	7.19	10.2	9.39	15.75	*	-	-
	Y79AA1001581	24.34	18.91	17.62	9.8	12.04	10.4	15.9	9.96	16.33	*	-	-
40	Y79AA1001585	30.32	20.83	22.83	20.22	25.12	15.45	0.69	15.13	0.14	*	-	-
	Y79AA1001592	28.53	25.65	26.36	29.33	16.66	7.28	20.69	8.44	14.72	*	-	-
	Y79AA1001594	23.28	21.85	24.28	14.25	15.59	10.11	22.55	14.53	20.27	**	-	-
	Y79AA1001603	12.47	11.04	10.84	6.8	11.48	6.78	22.63	14.33	27.5			
	Y79AA1001613	25.09	18.27	18.81	23.47	16.84	13.34	20.3	16.35	18.99			
	Y79AA1001630	22.94	13.91	12.22	13.14	13.53	8.02	11.73	12.98	17.67			
45	Y79AA1001647	33.54	24.86	22.66	23.22	25.84	16.49	26.93	21.3	26.55			
	Y79AA1001664	12.2	10.56	13.13	7.78	6.05	5.54	10.34	8.1	11.69	**	-	-
	Y79AA1001665	11.52	9	9.75	6.87	7.31	6.13	5.92	6.12	7.69	*	*	-
	Y79AA1001679	24.51	18.98	17.88	11.13	12.84	9.27	24.02	13.28	18.8	*	-	-
	Y79AA1001692	7.23	6.72	8.1	2.24	2.83	2.63	3.64	2.31	3.06	**	**	-
	Y79AA1001696	14.23	12.31	9.21	5.29	8.48	4.61	14.27	13.28	13.01	*	-	-
50	Y79AA1001705	12.04	11.4	8.55	9.76	11.8	6.21	4.61	5.98	4.57	**	-	-
	Y79AA1001711	13.72	7.72	10.63	6.49	4.11	3.08	6.08	4.06	7.4	*	-	-
	Y79AA1001717	4.71	1.55	3.26	3.34	1.71	0.7	1.49	1.63	1.39			
	Y79AA1001719	22.12	12.72	16.33	9.89	12.72	6.53	12.21	11.1	11.76			
	Y79AA1001727	38.96	27.16	22.35	13.65	17.35	9.31	38.01	28.39	34.23	*	-	-
	Y79AA1001750	21.5	17.52	18.42	10.15	15.4	8.01	11.94	9.9	11.41	*	**	-
55	Y79AA1001760	127.24	115.03	77.78	58.26	73.6	43.82	140.25	100.84	138.73	*	-	-
	Y79AA1001777	6.77	6.32	6.37	2.57	5.24	2.46	5.26	4.15	4.71	*	**	-
	Y79AA1001781	2.86	2.24	2.15	1.61	1.86	2.55	0.74	1.53	1.3	*	-	-

Table 508

	Y79AA1001787	5.04	3.62	6.16	2.83	4.49	3.23	3.33	2.97	2.01			
	Y79AA1001793	120.15	97.84	90.95	70.69	108.02	70.38	56.01	50.79	40.18	**	-	-
	Y79AA1001795	5.66	5.4	6.21	4.2	5.9	3.1	3.91	2.49	2.28	**	-	-
5	Y79AA1001799	15.09	14.95	16.22	8.14	9.02	8.13	5.96	8.67	5.96	**	**	-
	Y79AA1001800	25.64	16.41	26.8	14.68	31.06	13.67	17.04	13.04	14.7			-
	Y79AA1001801	18.54	13.81	14.73	8.69	14.72	7.61	10.02	6.35	8.81	*	-	-
	Y79AA1001803	4.48	5.85	6.44	4.5	2.73	1.98	4.84	2.96	2.69			-
	Y79AA1001805	40.28	26.89	34.51	17.56	11.83	10.76	12.11	14.87	11.59	**	**	-
	Y79AA1001807	42.38	40.49	41.45	39.87	44.56	37.42	30.19	22.76	22.12	**	**	-
10	Y79AA1001827	9.32	11.28	9.81	8.01	8.55	6.68	5.41	8.86	5.83	*	*	-
	Y79AA1001846	22.14	19.33	18.59	11.82	17.37	13.61	12.56	15.77	9.7	*	*	-
	Y79AA1001848	8.04	9.99	9.11	5.33	6.98	5.01	6.65	6.63	5.92	*	*	-
	Y79AA1001853	10.87	10.1	9.06	5.77	8.29	4.56	4.63	5.75	4.91	*	**	-
	Y79AA1001863	24.97	27.27	22.17	17.04	22	11.97	13.95	21.02	18.07	*	-	-
	Y79AA1001866	13.46	10.72	11.93	6.28	4.52	4.93	6.56	4.65	4.51	**	**	-
15	Y79AA1001874	2.1	1.41	2.93	0.78	1.08	0.95	1.46	1.22	1.08			-
	Y79AA1001875	31.78	22.74	37.59	12.11	19.59	16.03	9.16	15	14.61	*	*	-
	Y79AA1001907	517.52	778.32	567.93	750.86	875.67	821.68	479.34	605.65	529.63			-
	Y79AA1001908	5.27	6.69	9.96	3.58	5.35	3.25	2.93	3.09	1.48	*	-	-
	Y79AA1001923	8.48	16.75	14.8	9.28	7.65	6.34	6.48	6.75	5.36	*	-	-
20	Y79AA1001927	18.05	21.6	19.1	12.29	16.25	12.12	14.45	14.01	14.79	*	**	-
	Y79AA1001930	12.23	24.48	15.86	10.91	18.16	6.72	4.54	5.11	5.37	*	-	-
	Y79AA1001932	61.74	56.58	52.19	37.44	49.06	33.54	58.52	51.29	51.59	*	-	-
	Y79AA1001933	9.52	6.51	10.88	6.04	6.05	6.44	4.27	11.51	4.91			-
	Y79AA1001942	10.76	6.66	7.93	7.97	5.94	4.4	3.29	2.7	3.99	*	-	-
	Y79AA1001963	138.12	106.9	117.87	95.52	130.54	91.9	83.12	67.08	69.04	*	-	-
25	Y79AA1001968	147.27	91.21	62.32	82.32	49.63	76.26	20.14	2.41	10.4	*	-	-
	Y79AA1001983	12.1	16.25	14.99	5.06	8.59	7.83	3.08	3.73	3.02	*	**	-
	Y79AA1002000	8.87	9.86	16.46	6.28	9.55	3.45	4.66	4.84	4.51	*	-	-
	Y79AA1002004	46.17	58.66	37.42	34.61	47	15.44	17.13	16.13	8.67	**	**	-
	Y79AA1002008	16.52	21.1	20.83	11.85	16.14	12.02	7.95	15.74	18.89	*	-	-
	Y79AA1002012	13.85	12.54	10.41	5.85	6.84	6.65	8.76	11.21	9.52	**	-	-
30	Y79AA1002017	15.21	10.94	15.42	6.73	12.23	8.22	1.29	15.64	2.06			-
	Y79AA1002022	42.57	32.77	37.11	21.13	22.85	16.91	21.09	21.59	19.22	**	**	-
	Y79AA1002027	10.35	8.04	15.25	2.11	4.6	4.84	5.16	2.67	4.2	*	*	-
	Y79AA1002050	13.21	11.11	14.39	7.26	8.9	5.9	6.9	7.16	7.33	*	**	-
	Y79AA1002058	167.29	130.21	156.91	193.04	186.39	149.35	127.37	93.56	137.15			-
	Y79AA1002060	54.35	76.53	61.68	36.08	41.21	29.16	24.43	9.99	5.28	*	**	-
35	Y79AA1002062	49.46	32.53	50.05	16.65	20.72	17.6	35.11	28.1	35.48	*	-	-
	Y79AA1002065	113.45	69.34	64.62	65.01	102.96	72.96	82.29	90.04	44.91			-
	Y79AA1002067	33.46	37.19	43.9	21.85	20.1	22.68	15.4	10.55	10.37	**	**	-
	Y79AA1002069	5.33	3.94	7.12	3.04	1.49	2.47	3.1	3.24	2.29	*	-	-
	Y79AA1002070	67.39	142.78	83.33	77.38	149.87	86.41	153.3	88.92	78.17			-
	Y79AA1002074	1225	1102	498.16	721.59	1162.7	771.32	764.45	491.49	312.45			-
40	Y79AA1002076	8.24	11.39	15.58	4.01	6.13	3.99	13	9.01	11.16	*	-	-
	Y79AA1002083	11.94	6.94	9.48	4.49	4.53	3.15	4.48	1.37	1.78	*	*	-
	Y79AA1002084	20.05	13.84	17.88	7.41	8.36	6.24	10.42	8.8	8.13	**	*	-
	Y79AA1002086	15.57	8.01	9.58	4.16	3.65	3.41	3.6	4.3	3.59	*	*	-
	Y79AA1002087	265.36	258.38	345.6	296.44	355.85	246.9	347.62	322.78	317.34			-
	Y79AA1002089	15.8	12.04	15.08	6.67	9.17	6.14	12.29	9.32	9.91	**	-	-
45	Y79AA1002093	13.66	12.64	9.33	5.35	6.21	4.47	3.01	2.8	2.57	**	**	-
	Y79AA1002101	6.58	7.04	8.08	3.07	2.77	1.96	3.3	4.71	1.2	**	*	-
	Y79AA1002103	11.98	11.79	10.9	4.11	5.96	4.92	4.54	2.99	2.4	**	**	-
	Y79AA1002115	15.51	18.46	14.58	9.3	11.82	8.45	4.13	9.04	5.86	*	**	-
	Y79AA1002121	6.93	5.28	6.92	6.7	3.27	4.36	3.68	3.01	3.29	**	-	-
50	Y79AA1002125	40.85	21.04	26.11	14.22	18.4	17.66	12.21	8.56	11.75	*	-	-
	Y79AA1002129	7.76	7.25	11.87	4.36	3.94	3.2	3.76	3.8	4.37	*	*	-
	Y79AA1002131	5.89	3.57	4.65	1.58	2.79	2.27	3.32	1.61	2.75	*	-	-
	Y79AA1002139	8.48	7.22	6.23	4.06	4.42	2.47	3.44	3.86	2.67	*	**	-
	Y79AA1002144	53.23	47.33	47.13	32.96	42.65	28.86	30.69	36.28	25.23	*	**	-
	Y79AA1002177	14.09	13.17	13.65	5.87	6.08	5.05	5.82	4.1	4.34	**	**	-
55	Y79AA1002183	76.21	99.47	69.64	24.87	40.12	25.67	26.7	15.32	11.38	**	**	-
	Y79AA1002202	29.69	18.4	18.04	8.22	10.65	9.82	13.41	13.22	16.71	*	-	-
	Y79AA1002204	4.17	2.23	3.23	5.04	1.05	2.68	3.28	2.4	2.69			-

Table 509

	Y79AA1002206	7.86	6.79	4.86	2.41	3.6	5.74	5.49	1.51	2.8				
	Y79AA1002208	21.91	17.64	15.14	5.6	4.07	5.57	6.81	5.17	2.55	**	**	-	-
5	Y79AA1002209	14.82	11.28	11.86	6.23	4.7	2.82	4.71	1.33	3.18	**	**	-	-
	Y79AA1002210	13.64	7.39	7.59	9.08	4.62	5.18	20.5	2.05	6.37				
	Y79AA1002211	11.76	19.59	13.47	10.43	6.65	6.52	12.32	8.42	11.25				
	Y79AA1002213	40.78	31.99	22.96	18.41	26.57	14.98	45.88	32.4	41.97				
	Y79AA1002215	54.92	41.69	39.55	24.88	24.36	11.26	37.49	23.6	35.98	*		-	-
10	Y79AA1002220	17.03	11.5	20.58	7.13	5.68	5.31	4.57	4.8	6.51	*	*	-	-
	Y79AA1002226	48.55	31.27	31.34	7.35	12.72	13.65	9.19	6.65	11.13	*	**	-	-
	Y79AA1002229	7.88	6.84	5.37	6.02	4.67	2.85	3.67	2.52	3.73	*	*	-	-
	Y79AA1002234	20.83	13.27	12.39	9.34	6.36	3.6	6.9	3.36	5.84	*	*	-	-
	Y79AA1002235	28.03	23.84	21.24	15.07	14.87	9.39	10.75	8.42	13.64	*	**	-	-
	Y79AA1002246	9.72	14.9	10.35	5.25	6.99	4.12	8.31	3.82	6.69	*		-	-
15	Y79AA1002258	12.35	12.02	7.88	7.82	11.57	8.55	9.77	4.5	4.81				
	Y79AA1002279	51.52	49.19	41.11	5.28	2.78	2.07	15.99	20.03	22.13	**	**	-	-
	Y79AA1002292	13.64	7.58	4.14	5.73	4.43	2.94	6.45	6.01	8.36				
	Y79AA1002298	9.43	8.29	4.77	3.29	5.48	4.2	4.42	4.85	3.79				
	Y79AA1002307	9.31	8.07	6.62	3.9	4.4	2.44	5.17	1.76	2.58	*	*	-	-
20	Y79AA1002309	8.88	7.96	8.79	3.32	4.26	2.83	4.23	2.88	3.97	**	**	-	-
	Y79AA1002311	16.51	9.27	11.76	6.9	6.2	3.45	7.45	3.09	6.4	*		-	-
	Y79AA1002334	13.05	8.36	7.7	5.13	4.89	3.36	5.91	4.32	5.92	*	*	-	-
	Y79AA1002351	13.61	12.49	9.42	7.1	4.15	6.19	7.95	4.93	5.8	*	*	-	-
	Y79AA1002355	31.74	30.6	21.85	12.21	15.81	9.74	20.54	18.29	18.48	*	*	-	-
	Y79AA1002361	23.42	15.4	18.02	12.53	10.73	6.85	25.86	17.1	25.5	*		-	-
25	Y79AA1002365	12.42	6.37	7.19	3.15	4.11	3.03	4.29	4.74	4.01				
	Y79AA1002373	8.95	6.89	5.46	5.13	4.81	3.4	9.6	4.57	7.84				
	Y79AA1002376	1550.5	2569.2	1680.8	462.62	827.86	616.71	1477.6	1040.3	1062.1	*		-	-
	Y79AA1002378	20.24	17.32	13.54	5.14	9.41	4.23	19.28	11.07	16.88	*		-	-
	Y79AA1002381	116.11	128.86	74.48	110.66	141.78	92.68	155.95	123.08	170.94				
30	Y79AA1002388	33.4	33.3	27.31	13.85	26.75	11.62	21.29	16.32	21.24		*	-	-
	Y79AA1002399	11.13	8.22	7.72	4.28	5.54	4.87	7.56	5.9	6.25	*		-	-
	Y79AA1002407	12.66	14.43	18.13	7.72	14.18	6.84	5.83	9.78	4.59		*	-	-
	Y79AA1002413	16.98	12.77	14.95	6.14	9.13	4.62	8.44	10.73	7.99	*	*	-	-
	Y79AA1002416	7.52	8.19	8.76	5.47	10.72	5.8	8.2	6.05	6.59		*	-	-
35	Y79AA1002429	17.73	18.61	8.81	5.82	10.24	4.73	3.65	6.89	5.66		*	-	-
	Y79AA1002431	3.38	3.05	6.2	3.01	5.89	1.6	2.81	2.79	1.69				
	Y79AA1002433	9.94	11.67	9.29	5.11	5.57	3.18	3.49	4.6	3.87	**	**	-	-
	Y79AA1002445	33.47	25.62	23.49	15.99	10.67	7.02	18.92	25.26	13.87	*		-	-
	Y79AA1002461	7.94	6.22	7.84	3.36	7.35	4.7	3.49	2.25	3.85		**	-	-
	Y79AA1002466	778.44	339.4	681.02	542.56	499.15	369	592.67	971	768.71				
40	Y79AA1002471	11.38	8.13	15.35	12.81	13.4	11.43	4.94	6.06	4.47		*	-	-
	Y79AA1002472	31.22	33.06	31.17	18.15	21.85	9.34	16.29	20.14	20.03	*	**	-	-
	Y79AA1002474	10.68	12.29	10.71	6.77	7.3	7.75	3.17	7.37	4.86	**	*	-	-
	Y79AA1002482	30.09	33.68	36.63	19.02	23.45	17.38	21.9	25.81	23.08	**	*	-	-
	Y79AA1002487	8.33	8.29	7.43	7.28	8.45	6.44	5.34	3.78	3.86		**	-	-
	Y79AA1002490	143.18	106.89	117.63	56.22	71.49	57.31	59.76	51.39	52.37	**	**	-	-
45	Y79AA1002493	44.75	41.56	40.36	20.64	28.52	19.33	38.02	46.19	46.7	**		-	-
	ZRV6C1008278	5.26	7	5.52	3.16	2.97	2.19	2.89	2.6	2.72	**	**	-	-

## EXAMPLE 16

Selection of novel cDNA clones from cDNA libraries prepared by oligo-capping method

[0246] The following 54 clones were newly selected from cDNA libraries prepared by oligo-capping method, based on the criterion that the 5'-end sequence of a cDNA clone contained a coding region which was initiated with ATG codon and which encoded 50 amino acids or more:

HEMBA1000497, HEMBA1001750, HEMBA1003854, HEMBA1004193, HEMBA1004860, HEMBA1005572, HEMBA1006038, HEMBA1006092, HEMBA1006406, HEMBA1006650, HEMBA1006812, HEMBB1000672, HEMBB1001197, HEMBB1001871, MAMMA1001252, MAMMA1002094, NT2RM4000634, NT2RM4000657,

NT2RM4000783, NT2RM4000857, NT2RM4001178, NT2RM4002420, NT2RP2000198, NT2RP2000551,  
 NT2RP2000660,  
 NT2RP2001214, NT2RP2001460, NT2RP2001756, NT2RP2002056, NT2RP2002677, NT2RP2002755,  
 NT2RP2002843, NT2RP2003101, NT2RP2003799, NT2RP2004095, NT2RP2004732, NT2RP2004920,  
 5 NT2RP2005454, NT2RP2005776, NT2RP2005806, NT2RP2005882, NT2RP3001282, NT2RP3001723,  
 NT2RP3002099, NT2RP3003155, NT2RP3004028, OVARC1000008, OVARC1000724, OVARC1000751,  
 OVARC1001029, PLACE1000814, PLACE1003030, PLACE1005549, PLACE1007218.

Among them, the following 23 clones was predicted to contain a coding region encoding 100 amino acids or more:  
 HEMBA1000497, HEMBA1003854, HEMBA1004193, HEMBA1006812, HEMBB1001871, NT2RM4000657,  
 10 NT2RM4001178, NT2RP2001756, NT2RP2002677; NT2RP2002755, NT2RP2002843; NT2RP2004095,  
 NT2RP2004920, NT2RP2005806, NT2RP3001282, NT2RP3002099, NT2RP3003155, OVARC1000724,  
 OVARC1001029, PLACE1000814, PLACE1003030, PLACE1005549, PLACE1007218. This indicates that the clones  
 encode proteins.

[0247] Table 510 shows maximal ATGprl value determined for each clone. Since the respective maximal ATGprl  
 15 values for HEMBA1006812, HEMBB1001871 and NT2RRP3001282 are higher than 0.3, the clones would be full-  
 length. Other clones indicated below have maximal ATGprl values of 0.3 or less, and this means that the fullness ratios  
 of the clones are low.

However, the sequences can still be full-length: HEMBA1000497, HEMBA1001750, HEMBA1003854,  
 HEMBA1004193, HEMBA1004860, HEMBA1005572, HEMBA1006038, HEMBA1006092, HEMBA1006406,  
 20 HEMBA1006650, HEMBB1000672, HEMBB1001197, MAMMA1001252, MAMMA1002094, NT2RM4000634,  
 NT2RM4000657, NT2RM4000783, NT2RM4000857, NT2RM4001178, NT2RM4002420, NT2RP2000198,  
 NT2RP2000551, NT2RP2000660, NT2RP2001214, NT2RP2001460, NT2RP2001756, NT2RP2002056,  
 NT2RP2002677, NT2RP2002755, NT2RP2002843; NT2RP2003101, NT2RP2003799, NT2RP2004095,  
 NT2RP2004732, NT2RP2004920, NT2RP2005454, NT2RP2005776, NT2RP2005806, NT2RP2005882,  
 25 NT2RP3001723, NT2RP3002099, NT2RP3003155, NT2RP3004028, OVARC1000008, OVARC1000724,  
 OVARC1000751, OVARC1001029, PLACE1000814, PLACE1003030, PLACE1005549, PLACE1007218

[0248] Table 511 (same as Table 2) shows SEQ ID NOs of the nucleotide sequences located at the 5'-end and 3'-  
 end of each of the 54 clones and the corresponding plasmid clone, which was obtained herein, containing a polynu-  
 cleotide as an insert. SEQ ID NO for a 5'-end sequence is indicated on the right side of the corresponding Sequence  
 name of 5'-end sequence, and SEQ ID NO for a 3'-end sequence is indicated on the right side of the corresponding  
 30 Sequence name of 3'-end sequence.

[0249] Swiss-Prot was searched for data homologous to the 5' -end sequences of the selected 54 clones, and Gen-  
 Bank and UniGene were searched for data homologous to the 5' -end and 3'-end sequences of the same clones. The  
 search results are indicated as Homology search results 1-7 in the last part of this SPECIFICATION.

[0250] Based on the matching data obtained by the search, 7 clones presumably encode proteins belonging to any  
 35 of the categories of secretory or membrane proteins, glycoproteins, signal transduction-associated proteins, transcrip-  
 tion-associated proteins, disease-associated proteins, and protein synthesis- and/or protein transport-associated pro-  
 teins. These were clones exhibiting relatively low homology to any of known proteins belonging to said categories.  
 Here, the term "relatively low homology" means that a nucleotide sequence does not satisfy the conditions under which  
 40 the nucleotide sequence exhibits "relatively high homology" (which means that, when the nucleotide sequence is com-  
 pared with the known sequences in Swiss-Prot database, the sequence identity is 60% or higher and the P value is  
 $10^{-10}$  or less) and that, when the nucleotide sequence is compared with the known sequences in Swiss-Prot database,  
 the sequence to be compared contains 55 nucleotides or more, the sequence identity is 25% or higher, and the P value  
 is  $10^{-6}$  or less.

[0251] Among the 7 clones, clones presumably encoding proteins belonging to the category of secretory or mem-  
 45 brane proteins are the two clones, HEMBB1001871 and NT2RM4000857 (which also belong to other categories);  
 clones presumably encoding proteins belonging to the category of glycoproteins are the two clones, HEMBB1001871  
 and NT2RM4000857 (which also belong to other categories);- a clone presumably encoding a protein belonging to the  
 category of signal transduction-associated proteins is PLACE1005549; clones presumably encoding proteins belonging  
 50 to the category of transcription-associated proteins are the three clones, HEMBA1005572, NT2RP2001756, and  
 NT2RP2005776; a clone presumably encoding a protein belonging to the category of disease-associated proteins is  
 NT2RM4000857 (which also belong to other categories); a clone presumably encoding a protein belonging to the  
 category of protein synthesis- and/or protein transport-associated proteins is HEMBA1001750 (see Examples 12).

Table 510

The maximal ATGpr1 value of each clone selected in Example 16

	clone name	name of sequence	maximal ATGpr1 score
5			
10	HEMBA1000497	F-HEMBA1000497	0.25
	HEMBA1001750	F-HEMBA1001750	0.08
	HEMBA1003854	F-HEMBA1003854	0.23
15	HEMBA1004193	F-HEMBA1004193	0.22
	HEMBA1004860	F-HEMBA1004860	0.29
	HEMBA1005572	F-HEMBA1005572	0.24
	HEMBA1006038	F-HEMBA1006038	0.29
20	HEMBA1006092	F-HEMBA1006092	0.28
	HEMBA1006406	F-HEMBA1006406	0.26
	HEMBA1006650	F-HEMBA1006650	0.22
	HEMBA1006812	F-HEMBA1006812	0.71
25	HEMBA100672	F-HEMBA100672	0.24
	HEMBA1001197	F-HEMBA1001197	0.22
	HEMBA1001871	F-HEMBA1001871	0.94
30	MAMMA1001252	F-MAMMA1001252	0.29
	MAMMA1002094	F-MAMMA1002094	0.28
	NT2RM4000634	F-NT2RM4000634	0.07
	NT2RM4000657	F-NT2RM4000657	0.24
35	NT2RM4000783	F-NT2RM4000783	0.22
	NT2RM4000857	F-NT2RM4000857	0.12
	NT2RM4001178	F-NT2RM4001178	0.27
	NT2RM4002420	F-NT2RM4002420	0.06
40	NT2RP2000198	F-NT2RP2000198	0.15
	NT2RP2000551	F-NT2RP2000551	0.07
	NT2RP2000660	F-NT2RP2000660	0.22
	NT2RP2001214	F-NT2RP2001214	0.26
45	NT2RP2001460	F-NT2RP2001460	0.07
	NT2RP2001756	F-NT2RP2001756	0.17

50

55

EP: 1 074 617 A2

	NT2RP2002056	F-NT2RP2002056	0. 12
	NT2RP2002677	F-NT2RP2002677	0. 14
5	NT2RP2002755	F-NT2RP2002755	0. 12
	NT2RP2002843	F-NT2RP2002843	0. 11
	NT2RP2003101	F-NT2RP2003101	0. 13
	NT2RP2003799	F-NT2RP2003799	0. 24
10	NT2RP2004095	F-NT2RP2004095	0. 16
	NT2RP2004732	F-NT2RP2004732	0. 18
	NT2RP2004920	F-NT2RP2004920	0. 15
	NT2RP2005454	F-NT2RP2005454	0. 09
15	NT2RP2005776	F-NT2RP2005776	0. 19
	NT2RP2005806	F-NT2RP2005806	0. 27
	NT2RP2005882	F-NT2RP2005882	0. 11
	NT2RP3001282	F-NT2RP3001282	0. 39
20	NT2RP3001723	F-NT2RP3001723	0. 22
	NT2RP3002099	F-NT2RP3002099	0. 20
	NT2RP3003155	F-NT2RP3003155	0. 29
25	NT2RP3004028	F-NT2RP3004028	0. 13
	OVARC1000008	F-OVARC1000008	0. 23
	OVARC1000724	F-OVARC1000724	0. 27
	OVARC1000751	F-OVARC1000751	0. 28
30	OVARC1001029	F-OVARC1001029	0. 25
	PLACE1000814	F-PLACE1000814	0. 21
	PLACE1003030	F-PLACE1003030	0. 26
	PLACE1005549	F-PLACE1005549	0. 16
35	PLACE1007218	F-PLACE1007218	0. 30

---

40

45

50

55

Table 511

clone name	name of the 5'-end sequence	SEQ ID NO of the 5'-end sequence	name of the 3'-end sequence	SEQ ID NO of the 3'-end sequence
HEMBA1000497	F-HEMBA1000497	16111	R-HEMBA1000497	16165
HEMBA1001750	F-HEMBA1001750	16112	R-HEMBA1001750	16166
HEMBA1003854	F-HEMBA1003854	16113	R-HEMBA1003854	16167
HEMBA1004193	F-HEMBA1004193	16114	R-HEMBA1004193	16168
HEMBA1004860	F-HEMBA1004860	16115	R-HEMBA1004860	16169
HEMBA1005572	F-HEMBA1005572	16116	R-HEMBA1005572	16170
HEMBA1006038	F-HEMBA1006038	16117	R-HEMBA1006038	16171
HEMBA1006092	F-HEMBA1006092	16118	R-HEMBA1006092	16172
HEMBA1006406	F-HEMBA1006406	16119	R-HEMBA1006406	16173
HEMBA1006650	F-HEMBA1006650	16120	R-HEMBA1006650	16174
HEMBA1006812	F-HEMBA1006812	16121	R-HEMBA1006812	16175



## EP 1 074.617 A2

	HEMBB1000672	F-HEMBB1000672	16122	R-HEMBB1000672	16176
	HEMBB1001197	F-HEMBB1001197	16123	R-HEMBB1001197	16177
	HEMBB1001871	F-HEMBB1001871	16124	R-HEMBB1001871	16178
5	MAMMA1001252	F-MAMMA1001252	16125	R-MAMMA1001252	16179
	MAMMA1002094	F-MAMMA1002094	16126	R-MAMMA1002094	16180
	NT2RM4000634	F-NT2RM4000634	16127	R-NT2RM4000634	16181
	NT2RM4000657	F-NT2RM4000657	16128	R-NT2RM4000657	16182
10	NT2RM4000783	F-NT2RM4000783	16129	R-NT2RM4000783	16183
	NT2RM4000857	F-NT2RM4000857	16130	R-NT2RM4000857	16184
	NT2RM4001178	F-NT2RM4001178	16131	R-NT2RM4001178	16185
	NT2RM4002420	F-NT2RM4002420	16132	R-NT2RM4002420	16186
15	NT2RP2000198	F-NT2RP2000198	16133	R-NT2RP2000198	16187
	NT2RP2000551	F-NT2RP2000551	16134	R-NT2RP2000551	16188
	NT2RP2000660	F-NT2RP2000660	16135	R-NT2RP2000660	16189
	NT2RP2001214	F-NT2RP2001214	16136	R-NT2RP2001214	16190
20	NT2RP2001460	F-NT2RP2001460	16137	R-NT2RP2001460	16191
	NT2RP2001756	F-NT2RP2001756	16138	R-NT2RP2001756	16192
	NT2RP2002056	F-NT2RP2002056	16139	R-NT2RP2002056	16193
	NT2RP2002677	F-NT2RP2002677	16140	R-NT2RP2002677	16194
25	NT2RP2002755	F-NT2RP2002755	16141	R-NT2RP2002755	16195
	NT2RP2002843	F-NT2RP2002843	16142	R-NT2RP2002843	16196
	NT2RP2003101	F-NT2RP2003101	16143	R-NT2RP2003101	16197
	NT2RP2003799	F-NT2RP2003799	16144	R-NT2RP2003799	16198
30	NT2RP2004095	F-NT2RP2004095	16145	R-NT2RP2004095	16199
	NT2RP2004732	F-NT2RP2004732	16146	R-NT2RP2004732	16200
	NT2RP2004920	F-NT2RP2004920	16147	R-NT2RP2004920	16201
	NT2RP2005454	F-NT2RP2005454	16148	R-NT2RP2005454	16202
35	NT2RP2005776	F-NT2RP2005776	16149	R-NT2RP2005776	16203
	NT2RP2005806	F-NT2RP2005806	16150	R-NT2RP2005806	16204
	NT2RP2005882	F-NT2RP2005882	16151	R-NT2RP2005882	16205
	NT2RP3001282	F-NT2RP3001282	16152	R-NT2RP3001282	16206
40	NT2RP3001723	F-NT2RP3001723	16153	R-NT2RP3001723	16207
	NT2RP3002099	F-NT2RP3002099	16154	R-NT2RP3002099	16208
	NT2RP3003155	F-NT2RP3003155	16155	R-NT2RP3003155	16209
	NT2RP3004028	F-NT2RP3004028	16156	R-NT2RP3004028	16210
45	OVARC1000008	F-OVARC1000008	16157	R-OVARC1000008	16211
	OVARC1000724	F-OVARC1000724	16158	R-OVARC1000724	16212
	OVARC1000751	F-OVARC1000751	16159	R-OVARC1000751	16213
	OVARC1001029	F-OVARC1001029	16160	R-OVARC1001029	16214
50	PLACE1000814	F-PLACE1000814	16161	R-PLACE1000814	16215
	PLACE1003030	F-PLACE1003030	16162	R-PLACE1003030	16216
	PLACE1005549	F-PLACE1005549	16163	R-PLACE1005549	16217
55	PLACE1007218	F-PLACE1007218	16164	R-PLACE1007218	16218

**EXAMPLE 17**

Search for a signal sequence, transmembrane region and functional domain in deduced amino acid sequences

**[0252]** The deduced amino acid sequences from the full-length nucleotide sequences were examined to predict the presence of a signal sequence in their amino-termini as well as the presence of a transmembrane region. The amino acid sequences were also searched for a protein functional domain (motif). The examinations for a signal sequence in the amino-terminus, for a transmembrane region and for a functional domain were performed by using PSORT [K. Nakai & M. Kanehisa, Genomics, 14:897-911 (1992)], SOSUI [T. Hirokawa et al., Bioinformatics, 14:378-379 (1998)] (Mitsui Knowledge Industry Co., Ltd.) and Pfam (<http://www.sanger.ac.uk/Software/Pfam/index.shtml>), respectively. When the presence of a signal sequence or a transmembrane region in the amino-terminus was predicted in the amino acid sequence by PSORT or SOSUI, the protein was predicted to be a secretory protein or a membrane protein. When the amino acid sequence matched a functional domain in the Pfam search for a functional domain, the function of the protein is predictable based on the matching data, for example, by referring to the functional categories in PROSITE (<http://www.expasy.ch/cgi-bin/prosite-list.pl>). The functional domain search can be performed by using PROSITE instead of Pfam.

**[0253]** Search results obtained by using the respective software programs are indicated below.

**[0254]** Clones whose deduced amino acid sequences were predicted to have signal sequences by PSORT search are as follows:

20	HEMBA1001052,	HEMBA1001407,	HEMBA1002486,	HEMBA1002661,	HEMBA1002818,	HEMBA1002876,
	HEMBA1003086,	HEMBA1003711,	HEMBA1004752,	HEMBA1005991,	HEMBA1006067,	HEMBA1006173,
	HEMBA1006198,	HEMBA1006789,	HEMBA1006921,	HEMBA1000054,	HEMBA1000175,	HEMBA1002692,
	MAMMA1000798,	MAMMA1002427,	MAMMA1002881,	MAMMA1003035,	NT2RM1000035,	NT2RM1000742,
	NT2RM1000811,	NT2RM1000905,	NT2RM1001008,	NT2RM2000287,	NT2RM2000609,	NT2RM2001613,
25	NT2RM4000634,	NT2RM4000778,	NT2RM4002339,	NT2RM4002460,	NT2RP1000782,	NT2RP1000856,
	NT2RP1001247,	NT2RP1001546,	NT2RP1001569,	NT2RP2001597,	NT2RP2002537,	NT2RP2004142,
	NT2RP2005752,	NT2RP2005812,	NT2RP3001084,	NT2RP3001589,	NT2RP3002163,	NT2RP3002650,
	NT2RP3003145,	NT2RP3003242,	NT2RP3003621,	NT2RP3004282,	NT2RP3004503,	NT2RP4000051,
	NT2RP4000151,	NT2RP4000243,	NT2RP4000259,	NT2RP4000323,	NT2RP4000417,	NT2RP4001064,
30	NT2RP4001117,	NT2RP4001730,	NT2RP4001739,	NT2RP4002075,	NT2RP5003500,	OVARC1001154,
	PLACE1000611,	PLACE1003030,	PLACE1003044,	PLACE1003369,	PLACE1003596,	PLACE1004258,
	PLACE1005086,	PLACE1006239,	PLACE1006754,	PLACE1006829,	PLACE1007954,	PLACE1008424,
	PLACE1008533,	PLACE1008693,	PLACE1010622,	PLACE1010942,	PLACE2000176,	PLACE2000341,
	PLACE2000379,	PLACE2000427,	PLACE2000477,	PLACE4000431,	PLACE4000593,	THYRO1000156,
35	THYRO1001134,	THYRO1001287,	Y79AA1000258,	Y79AA1001874,	Y79AA1002399,	HEMBA1001871,
	HEMBA1001925,	MAMMA1000778,	MAMMA1000897,	MAMMA1001080,	NT2RP2004300,	NT2RP3002985,
	NT2RP3003059,	OVARC1000689,	OVARC1000890,	PLACE1005162,	PLACE3000399,	PLACE3000455,
	PLACE4000247,	PLACE4000259,	PLACE4000494			

**[0255]** Clones whose deduced amino acid sequences were predicted to have transmembrane regions by SOSUI search are as follows:

40	HEMBA1000005,	HEMBA1000356,	HEMBA1000518,	HEMBA1000531,	HEMBA1000637,	HEMBA1000719,
	HEMBA1000817,	HEMBA1000822,	HEMBA1000870,	HEMBA1000991,	HEMBA1001052,	HEMBA1001085,
	HEMBA1001286,	HEMBA1001351,	HEMBA1001407,	HEMBA1001446,	HEMBA1001510,	HEMBA1001515,
	HEMBA1001557,	HEMBA1001746,	HEMBA1002092,	HEMBA1002125,	HEMBA1002150,	HEMBA1002166,
45	HEMBA1002462,	HEMBA1002477,	HEMBA1002486,	HEMBA1002609,	HEMBA1002659,	HEMBA1002661,
	HEMBA1002780,	HEMBA1002818,	HEMBA1002876,	HEMBA1002921,	HEMBA1003077,	HEMBA1003079,
	HEMBA1003086,	HEMBA1003096,	HEMBA1003281,	HEMBA1003286,	HEMBA1003711,	HEMBA1003742,
	HEMBA1003803,	HEMBA1004143,	HEMBA1004146,	HEMBA1004341,	HEMBA1004461,	HEMBA1004577,
	HEMBA1004637,	HEMBA1004752,	HEMBA1004756,	HEMBA1004850,	HEMBA1004889,	HEMBA1004923,
50	HEMBA1004930,	HEMBA1005029,	HEMBA1005035,	HEMBA1005050,	HEMBA1005552,	HEMBA1005588,
	HEMBA1005616,	HEMBA1005991,	HEMBA1006036,	HEMBA1006067,	HEMBA1006293,	HEMBA1006492,
	HEMBA1006502,	HEMBA1006659,	HEMBA1006758,	HEMBA1006789,	HEMBA1006921,	HEMBA1006926,
	HEMBA1007203,	HEMBA1000050,	HEMBA1000054,	HEMBA1000556,	HEMBA1000593,	HEMBA1000631,
	HEMBA1000763,	HEMBA1000827,	HEMBA1000915,	HEMBA1000975,	HEMBA1001112,	HEMBA1001177,
55	HEMBA1001302,	HEMBA1001348,	HEMBA1001962,	HEMBA1002142,	HEMBA1002190,	HEMBA1002247,
	HEMBA1002387,	HEMBA1002550,	HEMBA1002600,	HEMBA1002692,	MAMMA1000129,	MAMMA1000133,
	MAMMA1000277,	MAMMA1000278,	MAMMA1000410,	MAMMA1000416,	MAMMA1000472,	MAMMA1000714,
	MAMMA1000731,	MAMMA1000734,	MAMMA1000798,	MAMMA1000842,	MAMMA1000956,	MAMMA1001008,

EP 1 074 617 A2

	MAMMA1001030,	MAMMA1001139,	MAMMA1001154,	MAMMA1001388,	MAMMA1001411,	MAMMA1001487,
	MAMMA1001751,	MAMMA1001771,	MAMMA1002461,	MAMMA1002524,	MAMMA1002598,	MAMMA1002684,
	MAMMA1002769,	MAMMA1002890,	MAMMA1002938,	MAMMA1003146,	NT2RM1000035,	NT2RM1000037,
5	NT2RM1000062,	NT2RM1000131,	NT2RM1000257,	NT2RM1000260,	NT2RM1000355,	NT2RM1000648,
	NT2RM1000742,	NT2RM1000800,	NT2RM1000811,	NT2RM1000857,	NT2RM1000867,	NT2RM1000882,
	NT2RM1001008,	NT2RM1001115,	NT2RM1001139,	NT2RM2000259,	NT2RM2000395,	NT2RM2000402,
	NT2RM2000407,	NT2RM2000422,	NT2RM2000566,	NT2RM2000581,	NT2RM2000609,	NT2RM2001370,
	NT2RM2001393,	NT2RM2001499,	NT2RM2001613,	NT2RM2001648,	NT2RM2001659,	NT2RM2001671,
	NT2RM2001718,	NT2RM2001760,	NT2RM2001785,	NT2RM2001823,	NT2RM2001930,	NT2RM2001950,
10	NT2RM2001998,	NT2RM2002049,	NT2RM4000046,	NT2RM4000233,	NT2RM4000433,	NT2RM4000520,
	NT2RM4000634,	NT2RM4000674,	NT2RM4000700,	NT2RM4000764,	NT2RM4000795,	NT2RM4000820,
	NT2RM4000857,	NT2RM4001032,	NT2RM4001054,	NT2RM4001455,	NT2RM4001813,	NT2RM4001930,
	NT2RM4001987,	NT2RM4002054,	NT2RM4002073,	NT2RM4002145,	NT2RM4002146,	NT2RM4002194,
	NT2RM4002339,	NT2RM4002438,	NT2RM4002446,	NT2RM4002452,	NT2RM4002460,	NT2RM4002493,
15	NT2RM4002571,	NT2RP1000191,	NT2RP1000358,	NT2RP1000418,	NT2RP1000547,	NT2RP1000609,
	NT2RP1000677,	NT2RP1000767,	NT2RP1000782,	NT2RP1000856,	NT2RP1001113,	NT2RP1001247,
	NT2RP1001286,	NT2RP1001310,	NT2RP1001311,	NT2RP1001313,	NT2RP1001385,	NT2RP1001449,
	NT2RP1001546,	NT2RP1001569,	NT2RP2000032,	NT2RP2000040,	NT2RP2000070,	NT2RP2000091,
	NT2RP2000114,	NT2RP2000120,	NT2RP2000173,	NT2RP2000175,	NT2RP2000195,	NT2RP2000248,
20	NT2RP2000270,	NT2RP2000283,	NT2RP2000289,	NT2RP2000459,	NT2RP2000516,	NT2RP2000842,
	NT2RP2000892,	NT2RP2001081,	NT2RP2001268,	NT2RP2001295,	NT2RP2001366,	NT2RP2001576,
	NT2RP2001581,	NT2RP2001597,	NT2RP2001947,	NT2RP2001991,	NT2RP2002025,	NT2RP2002312,
	NT2RP2002385,	NT2RP2002479,	NT2RP2002537,	NT2RP2002643,	NT2RP2002701,	NT2RP2002740,
	NT2RP2002857,	NT2RP2003125,	NT2RP2003297,	NT2RP2003433,	NT2RP2003446,	NT2RP2003466,
25	NT2RP2003629,	NT2RP2003777,	NT2RP2003781,	NT2RP2004041,	NT2RP2004194,	NT2RP2004270,
	NT2RP2004681,	NT2RP2004775,	NT2RP2004799,	NT2RP2004936,	NT2RP2005012,	NT2RP2005159,
	NT2RP2005227,	NT2RP2005270,	NT2RP2005344,	NT2RP2005509,	NT2RP2005752,	NT2RP2005781,
	NT2RP2005784,	NT2RP2005812,	NT2RP2006069,	NT2RP2006100,	NT2RP2006141,	NT2RP2006261,
	NT2RP2006571,	NT2RP3000092,	NT2RP3000134,	NT2RP3000333,	NT2RP3000393,	NT2RP3000439,
30	NT2RP3000441,	NT2RP3000531,	NT2RP3000685,	NT2RP3000826,	NT2RP3000852,	NT2RP3001126,
	NT2RP3001176,	NT2RP3001260,	NT2RP3001355,	NT2RP3001383,	NT2RP3001426,	NT2RP3001453,
	NT2RP3001497,	NT2RP3001538,	NT2RP3001716,	NT2RP3001727,	NT2RP3001739,	NT2RP3001799,
	NT2RP3001943,	NT2RP3001944,	NT2RP3002002,	NT2RP3002014,	NT2RP3002054,	NT2RP3002108,
	NT2RP3002163,	NT2RP3002351,	NT2RP3002455,	NT2RP3002549,	NT2RP3002628,	NT2RP3002650,
35	NT2RP3002687,	NT2RP3002701,	NT2RP3002869,	NT2RP3002969,	NT2RP3003008,	NT2RP3003071,
	NT2RP3003101,	NT2RP3003145,	NT2RP3003302,	NT2RP3003353,	NT2RP3003409,	NT2RP3003716,
	NT2RP3003918,	NT2RP3004207,	NT2RP3004454,	NT2RP3004503,	NT2RP4000051,	NT2RP4000151,
	NT2RP4000243,	NT2RP4000259,	NT2RP4000323,	NT2RP4000500,	NT2RP4000560,	NT2RP4000588,
	NT2RP4000713,	NT2RP4000724,	NT2RP4000833,	NT2RP4000878,	NT2RP4000907,	NT2RP4000925,
40	NT2RP4000928,	NT2RP4000973,	NT2RP4000989,	NT2RP4001057,	NT2RP4001064,	NT2RP4001079,
	NT2RP4001117,	NT2RP4001138,	NT2RP4001150,	NT2RP4001174,	NT2RP4001274,	NT2RP4001345,
	NT2RP4001372,	NT2RP4001373,	NT2RP4001379,	NT2RP4001498,	NT2RP4001547,	NT2RP4001571,
	NT2RP4001644,	NT2RP4001677,	NT2RP4001803,	NT2RP4001822,	NT2RP4001975,	NT2RP4002052,
	NT2RP4002075,	NT2RP5003500,	NT2RP5003506,	NT2RP5003522,	NT2RP5003534,	OVARC1000151,
45	OVARC1000241,	OVARC1000335,	OVARC1000700,	OVARC1000722,	OVARC1000751,	OVARC1000850,
	OVARC1000924,	OVARC1000936,	OVARC1000959,	OVARC1000984,	OVARC1001034,	OVARC1001129,
	OVARC1001381,	OVARC1001391,	OVARC1001453,	OVARC1001476,	OVARC1001506,	OVARC1001610,
	OVARC1001702,	OVARC1001703,	OVARC1001713,	OVARC1001745,	OVARC1001767,	OVARC1002127,
	OVARC1002158,	OVARC1002165,	PLACE1000014,	PLACE1000401,	PLACE1000562,	PLACE1000611,
50	PLACE1000656,	PLACE1000712,	PLACE1000909,	PLACE1000948,	PLACE1001241,	PLACE1001257,
	PLACE1001377,	PLACE1001517,	PLACE1001610,	PLACE1001771,	PLACE1001817,	PLACE1001983,
	PLACE1002213,	PLACE1002395,	PLACE1002500,	PLACE1002714,	PLACE1002722,	PLACE1002794,
	PLACE1002851,	PLACE1002908,	PLACE1003045,	PLACE1003238,	PLACE1003296,	PLACE1003369,
	PLACE1003493,	PLACE1003537,	PLACE1003553,	PLACE1003768,	PLACE1003771,	PLACE1003903,
55	PLACE1004197,	PLACE1004258,	PLACE1004270,	PLACE1004289,	PLACE1004473,	PLACE1004743,
	PLACE1004840,	PLACE1004969,	PLACE1005086,	PLACE1005206,	PLACE1005313,	PLACE1005530,
	PLACE1005595,	PLACE1005623,	PLACE1005763,	PLACE1005884,	PLACE1005934,	PLACE1006225,
	PLACE1006754,	PLACE1006901,	PLACE1006935,	PLACE1006956,	PLACE1007014,	PLACE1007111,

# EP 1 074 617 A2

PLACE1007243, PLACE1007274, PLACE1007282, PLACE1007317, PLACE1007375, PLACE1007386,  
 PLACE1007409, PLACE1007484, PLACE1007583, PLACE1007632, PLACE1007645, PLACE1007852,  
 PLACE1007877, PLACE1008331, PLACE1008424, PLACE1008531, PLACE1008532, PLACE1008568,  
 PLACE1008715, PLACE1009045, PLACE1009319, PLACE1009338, PLACE1009368, PLACE1009493,  
 5 PLACE1009639, PLACE1009708, PLACE1009731, PLACE1010089, PLACE1010231, PLACE1010321,  
 PLACE1010622, PLACE1010811, PLACE1010917, PLACE1010954, PLACE1011090, PLACE1011214,  
 PLACE1011221, PLACE1011399, PLACE1011492, PLACE1011646, PLACE1011749, PLACE2000034,  
 PLACE2000111, PLACE2000176, PLACE2000187, PLACE2000341, PLACE2000379, PLACE2000425,  
 PLACE2000458, PLACE3000020, PLACE3000218, PLACE3000226, PLACE3000244, PLACE3000413,  
 10 PLACE4000052, PLACE4000129, PLACE4000300, PLACE4000387, PLACE4000581, PLACE4000593,  
 PLACE4000650, THYRO1000394, THYRO1000395, THYRO1000570, THYRO1000748, THYRO1000756,  
 THYRO1001134, THYRO1001271, THYRO1001401, THYRO1001534, THYRO1001541, THYRO1001809,  
 Y79AA1000258, Y79AA1000420, Y79AA1000469, Y79AA1000734, Y79AA1000800, Y79AA1000976,  
 Y79AA1001023, Y79AA1001177, Y79AA1001394, Y79AA1001603, Y79AA1001647, Y79AA1001846,  
 15 Y79AA1001874, Y79AA1002139, Y79AA1002351, Y79AA1002399, Y79AA1002416, HEMBA1004055,  
 HEMBB1001630, HEMBB1001872, HEMBB1002044, HEMBB1002383, MAMMA1000778, MAMMA1000859,  
 MAMMA1000897, MAMMA1001073, MAMMA1002009, MAMMA1002844, MAMMA1002947, MAMMA1003089,  
 NT2RM1000092, NT2RM1000833, NT2RP2002105, NT2RP2003668, NT2RP2006184, NT2RP3001282,  
 NT2RP3002810, NT2RP3002985, NT2RP3003059, NT2RP3003576, NT2RP3003665, NT2RP3003799,  
 20 NT2RP3003828, NT2RP3003992, NT2RP3004051, NT2RP3004155, OVARC1000890, OVARC1001117,  
 OVARC1001329, PLACE1001761, PLACE1002437, PLACE1004793, PLACE1005611, PLACE1005898,  
 PLACE1009935, PLACE1011896, PLACE2000132, PLACE2000335, PLACE3000373, PLACE3000406,  
 PLACE4000250, PLACE4000487, PLACE4000494, THYRO1001320, THYRO1001537, THYRO1001828,  
 Y79AA1001384

25 **[0256]** Names of clones whose deduced amino acid sequences were predicted to have functional domains by Pfam search, and names of the matched functional domains are shown below.

When multiple functional domains matched a clone, each domain name was indicated, separated by a double-slash mark, //.

30 HEMBA1000005//DnaJ, prokaryotic heat shock protein  
 HEMBA1000020//Tubulin  
 HEMBA1000129//Helicases conserved C-terminal domain  
 HEMBA1000156//RNA recognition motif. (aka RRM, RBD, or RNP domain)  
 HEMBA1000158//Fork head domain, eukaryotic transcription factors //Zinc finger, C2H2 type  
 35 HEMBA1000303//Src homology domain 3 //Zinc finger, C3HC4 type (RING finger)  
 HEMBA1000411//Ank repeat  
 HEMBA1000491//Ras family (contains ATP/GTP binding P-loop)  
 HEMBA1000531//Heat shock hsp70 proteins  
 HEMBA1000561//Zinc finger, C2H2 type  
 40 HEMBA1000608//Src homology domain 3  
 HEMBA1000919//WD domain, G-beta repeats  
 HEMBA1001043//Ank repeat  
 HEMBA1001088//LIM domain containing proteins  
 HEMBA1001137//Zinc finger, C2H2 type  
 45 HEMBA1001174//ADP-ribosylation factors (Arf family) (contains ATP/GTP binding P-loop)  
 HEMBA1001247//WW/rsp5/WWP domain containing proteins  
 HEMBA1001286//Sushi domain  
 HEMBA1001510//Basic region plus leucine zipper transcription factors  
 HEMBA1001515//Reverse transcriptase (RNA-dependent DNA polymerase)  
 50 HEMBA1001661//Cadherin  
 HEMBA1001723//WD domain, G-beta repeats  
 HEMBA1001744//Eukaryotic protein kinase domain  
 HEMBA1001804//Zinc finger, C2H2 type  
 HEMBA1001819//Zinc finger, C2H2 type  
 55 HEMBA1001847//Zinc finger, C2H2 type  
 HEMBA1002035//Bromodomain  
 HEMBA1002102//Ank repeat  
 HEMBA1002161//Myosin head (motor domain) (contains ATP/GTP binding P-loop)

HEMBA1002177//GATA family of transcription factors //Zinc finger, C2H2 type  
 HEMBA1002212//Eukaryotic protein kinase domain  
 HEMBA1002215//LIM domain containing proteins  
 HEMBA1002419//RNA recognition motif. (aka RRM, RBD, or RNP domain)  
 5 HEMBA1002547//Kazal-type serine protease inhibitor domain //Laminin EGF-like (Domains III and V)  
 HEMBA1002768//Src homology domain 3  
 HEMBA1002810//WW/rsp5/WWP domain containing proteins  
 HEMBA1002818//EGF-like domain  
 HEMBA1002935//Zinc finger, C2H2 type  
 10 HEMBA1002939//Ank repeat  
 HEMBA1002973//3'5'-cyclic nucleotide phosphodiesterases  
 HEMBA1003077//Fibronectin type III domain  
 HEMBA1003250//Eukaryotic protein kinase domain  
 HEMBA1003257//Zinc finger, C2H2 type  
 15 HEMBA1003281//IG superfamily  
 HEMBA1003291//Eukaryotic protein kinase domain  
 HEMBA1003433//Forkhead-associated (FHA) domain  
 HEMBA1003545//Homeobox domain //LIM domain containing proteins  
 HEMBA1003591//RNA recognition motif. (aka RRM, RBD, or RNP domain)  
 20 HEMBA1003684//Zinc finger, C2H2 type  
 HEMBA1003953//Zinc finger, C2H2 type  
 HEMBA1004202//Ras family (contains ATP/GTP binding P-loop)  
 HEMBA1004227//Protein phosphatase 2C  
 HEMBA1004321//Zinc finger, C2H2 type  
 25 HEMBA1004356//RNA recognition motif. (aka RRM, RBD, or RNP domain)  
 HEMBA1004408//Peptidyl-prolyl cis-trans isomerases  
 HEMBA1004596//RNA recognition motif. (aka RRM, RBD, or RNP domain)  
 HEMBA1004734//Ubiquitin-conjugating enzymes  
 HEMBA1004973//Fibronectin type III domain  
 30 HEMBA1005009//Actins  
 HEMBA1005101//RNA recognition motif. (aka RRM, RBD, or RNP domain)  
 HEMBA1005581//EGF-like domain //Laminin G domain  
 HEMBA1005732//Polyprenyl synthetases  
 HEMBA1005737//EF hand  
 35 HEMBA1006248//Zinc finger, C2H2 type  
 HEMBA1006284//Ubiquitin family  
 HEMBA1006293//IG superfamily  
 HEMBA1006344//Band 4.1 family  
 HEMBA1006445//Ras family (contains ATP/GTP binding P-loop)  
 40 HEMBA1006492//Ank repeat  
 HEMBA1006559//Zinc finger, C3HC4 type (RING finger)  
 HEMBA1006708//WD domain, G-beta repeats  
 HEMBA1006737//Ank repeat  
 HEMBA1006758//Cadherin  
 45 HEMBA1006941//Thioredoxins  
 HEMBA1007243//Purine/pyrimidine phosphoribosyl transferases  
 HEMBA1007300//3'5'-cyclic nucleotide phosphodiesterases  
 HEMBB1000083//IG superfamily  
 HEMBB1000317//EGF-like domain //Thrombospondin type 1 domain  
 50 HEMBB1000556//Actinin-type actin-binding domain containing proteins //LIM domain containing proteins  
 HEMBB1000725//Ras family (contains ATP/GTP binding P-loop)  
 HEMBB1000781//Eukaryotic protein kinase domain  
 HEMBB1000915//Thrombospondin type 1 domain  
 HEMBB1000927//EF hand  
 55 HEMBB1000947//Double-stranded RNA binding motif  
 HEMBB1001112//eubacterial secY protein  
 HEMBB1001175//Ank repeat  
 HEMBB1001234//WW/rsp5/WWP domain containing proteins

HEMBB1001282//Ank repeat  
 HEMBB1001294//Ras family (contains ATP/GTP binding P-loop)  
 HEMBB1001339//Forkhead-associated (FHA) domain  
 HEMBB1001673//Forkhead-associated (FHA) domain //Zinc finger, C3HC4 type (RING finger)  
 5 HEMBB1001802//Intermediate filament proteins  
 HEMBB1001839//Zinc finger, C2H2 type  
 HEMBB1002217//Zinc finger, C2H2 type  
 HEMBB1002342//Thioredoxins  
 HEMBB1002600//4 transmembrane segments integral membrane proteins  
 10 MAMMA1000173//Src homology domain 3  
 MAMMA1000388//Zinc finger, C2H2 type  
 MAMMA1000402//Reverse transcriptase (RNA-dependent DNA polymerase)  
 MAMMA1000612//WD domain, G-beta repeats  
 MAMMA1000672//Serine carboxypeptidases  
 15 MAMMA1000731//SNF2 and others N-terminal domain  
 MAMMA1001008//Eukaryotic aspartyl proteases  
 MAMMA1001041//Actinin-type actin-binding domain containing proteins  
 MAMMA1001059//DEAD and DEAH box helicases //Helicases conserved C-terminal domain  
 MAMMA1001105//Zinc finger, C2H2 type  
 20 MAMMA1001260//Zinc finger, C3HC4 type (RING finger)  
 MAMMA1001576//Tubulin  
 MAMMA1001735//Tubulin  
 MAMMA1001768//ATPases associated with various cellular activities (AAA)  
 MAMMA1001837//Zinc finger, C2H2 type  
 25 MAMMA1002170//Ribosomal protein S5  
 MAMMA1002385//RNA recognition motif. (aka RRM, RBD, or RNP domain)  
 MAMMA1002619//Ubiquitin carboxyl-terminal hydrolases family 2  
 MAMMA1002637//Kinesin light chain repeat  
 MAMMA1002650//Zinc finger, C2H2 type  
 30 MAMMA1002671//AMP-binding enzymes  
 MAMMA1002869//LIM domain containing proteins  
 MAMMA1002881//SCP-like extracellular Proteins  
 MAMMA1002937//Zinc finger, C2H2 type  
 MAMMA1002938//Multicopper oxidases  
 35 MAMMA1003011//Core histones H2A, H2B, H3 and H4  
 MAMMA1003057//WD domain, G-beta repeats  
 MAMMA1003127//Myosin head (motor domain) (contains ATP/GTP binding P-loop)  
 NT2RM1000086//Zinc finger, C3HC4 type (RING finger)  
 NT2RM1000199//CUB domain //Sushi domain  
 40 NT2RM1000256//Glutamine amidotransferases class-II  
 NT2RM1000499//Ank repeat  
 NT2RM1000555//'Cold-shock' DNA-binding domain containing proteins  
 NT2RM1000666//'Cold-shock' DNA-binding domain containing proteins //Zinc finger, CCHC class  
 NT2RM1000772//WD domain, G-beta repeats  
 45 NT2RM1000826//'Cold-shock' DNA-binding domain containing proteins  
 NT2RM1000850//Ank repeat //Eukaryotic protein kinase domain  
 NT2RM1000852//DEAD and DEAH box helicases //Helicases conserved C-terminal domain  
 NT2RM1000882//Heme-binding domain in cytochrome b5 and oxidoreductases  
 NT2RM1000885//Zinc finger, C3HC4 type (RING finger)  
 50 NT2RM1001059//RNA recognition motif. (aka RRM, RBD, or RNP domain)  
 NT2RM1001072//C2 domain //Phosphatidylinositol-specific phospholipase C, X domain //Phosphatidylinositol-specific phospholipase C, Y domain  
 NT2RM2000092//Ubiquitin carboxyl-terminal hydrolases family 2  
 NT2RM2000101//Zinc finger, C3HC4 type (RING finger)  
 55 NT2RM2000191//3'5'-cyclic nucleotide phosphodiesterases  
 NT2RM2000422//Sodium:neurotransmitter symporter family  
 NT2RM2000490//C2 domain  
 NT2RM2000566//Integrins alpha chain

NT2RM2000577//tRNA synthetases class I  
 NT2RM2000594//C-5 cytosine-specific DNA methylases  
 NT2RM2000691//Actins  
 NT2RM2000735//Zinc finger, C2H2 type  
 5 NT2RM2000740//Helicases conserved C-terminal domain  
 NT2RM2000951//FGGY family of carbohydrate kinases  
 NT2RM2001324//LIM domain containing proteins  
 NT2RM2001499//Amino acid permeases  
 NT2RM2001547//DnaJ, prokaryotic heat shock protein //Thioredoxins  
 10 NT2RM2001613//eubacterial secY protein  
 NT2RM2001670//Zinc finger, C2H2 type  
 NT2RM2001700//Acyl-CoA dehydrogenases  
 NT2RM2001730//Ubiquitin carboxyl-terminal hydrolases family 2  
 NT2RM2001813//WD domain, G-beta repeats  
 15 NT2RM2001823//Helicases conserved C-terminal domain //SNF2 and others N-terminal domain  
 NT2RM2001896//Cytochrome C oxidase subunit II  
 NT2RM2001989//RNA recognition motif. (aka RRM, RBD, or RNP domain)  
 NT2RM2001997//Thioredoxins  
 NT2RM2002088//KH domain family of RNA binding proteins  
 20 NT2RM2002100//DEAD and DEAH box helicases //Helicases conserved C-terminal domain  
 NT2RM2002109//IG superfamily  
 NT2RM4000046//Zinc finger, C3HC4 type (RING finger)  
 NT2RM4000104//Zinc finger, C2H2 type  
 NT2RM4000167//Kinesin motor domain  
 25 NT2RM4000191//DEAD and DEAH box helicases //Helicases conserved C-terminal domain  
 NT2RM4000202//Zinc finger, C2H2 type  
 NT2RM4000229//PH (pleckstrin homology) domain  
 NT2RM4000344//ATPases associated with various cellular activities (AAA)  
 NT2RM4000356//Ras family (contains ATP/GTP binding P-loop)  
 30 NT2RM4000471//Aminotransferases class-V  
 NT2RM4000496//ATPases associated with various cellular activities (AAA)  
 NT2RM4000611//WD domain, G-beta repeats  
 NT2RM4000657//C2 domain //Phosphatidylinositol-specific phospholipase C, Y domain  
 NT2RM4000712//Ubiquitin carboxyl-terminal hydrolases family 2 //Ubiquitin carboxyl-terminal hydrolases family 2  
 35 NT2RM4000733//Forkhead-associated (FHA) domain  
 NT2RM4000734//Zinc finger, C2H2 type  
 NT2RM4000751//Zinc finger, C2H2 type  
 NT2RM4000795//Carboxylesterases  
 NT2RM4000996//Zinc finger, C2H2 type  
 40 NT2RM4001054//eubacterial secY protein  
 NT2RM4001140//Homeobox domain  
 NT2RM4001178//DEAD and DEAH box helicases  
 NT2RM4001200//Zinc finger, C2H2 type  
 NT2RM4001313//Phosphatidylinositol 3- and 4-kinases  
 45 NT2RM4001316//Acyl-CoA dehydrogenases  
 NT2RM4001320//Src homology domain 3  
 NT2RM4001411//PH (pleckstrin homology) domain //Src homology domain 2  
 NT2RM4001454//PH (pleckstrin homology) domain  
 NT2RM4001483//Zinc finger, C2H2 type  
 50 NT2RM4001629//Src homology domain 3  
 NT2RM4001758//Eukaryotic protein kinase domain  
 NT2RM4001810//Zinc finger, C2H2 type  
 NT2RM4001813//Lectin C-type domain short and long forms  
 NT2RM4001823//Zinc finger, C2H2 type  
 55 NT2RM4001828//Zinc finger, C2H2 type  
 NT2RM4001979//Zinc finger, C2H2 type  
 NT2RM4001987//IG superfamily  
 NT2RM4002013//WD domain, G-beta repeats

NT2RM4002073//AMP-binding enzymes  
 NT2RM4002093//RNA recognition motif. (aka RRM, RBD, or RNP domain)  
 NT2RM4002145//IG superfamily  
 NT2RM4002287//Fibronectin type III domain  
 5 NT2RM4002527//WD domain, G-beta repeats  
 NT2RM4002623//tRNA synthetases class II  
 NT2RP1000101//Zinc finger, C2H2 type  
 NT2RP1000202//Ank repeat  
 NT2RP1000272//RNA recognition motif. (aka RRM, RBD, or RNP domain)  
 10 NT2RP1000363//PH (pleckstrin homology) domain  
 NT2RP1000376//Ank repeat  
 NT2RP1000470//DEAD and DEAH box helicases  
 NT2RP1000478//Tubulin  
 NT2RP1000522//Ubiquitin carboxyl-terminal hydrolases family 2 //Ubiquitin carboxyl-terminal hydrolases family 2  
 15 NT2RP1000677//Kazal-type serine protease inhibitor domain  
 NT2RP1000701//WD domain, G-beta repeats  
 NT2RP1000733//Elongation factor Tu family (contains ATP/GTP binding P-loop)  
 NT2RP1000782//4 transmembrane segments integral membrane proteins  
 NT2RP1000833//3'5'-cyclic nucleotide phosphodiesterases  
 20 NT2RP1000856//4 transmembrane segments integral membrane proteins  
 NT2RP1000947//Ubiquitin-conjugating enzymes  
 NT2RP1000959//60s Acidic ribosomal protein  
 NT2RP1000966//RNA recognition motif. (aka RRM, RBD, or RNP domain)  
 NT2RP1001033//Tubulin  
 25 NT2RP1001080//DEAD and DEAH box helicases //Helicases conserved C-terminal domain  
 NT2RP1001177//Core histones H2A, H2B, H3 and H4  
 NT2RP1001247//Transforming growth factor beta like domain  
 NT2RP1001294//WD domain, G-beta repeats  
 NT2RP1001302//WD domain, G-beta repeats  
 30 NT2RP1001313//Heme-binding domain in cytochrome b5 and oxidoreductases  
 NT2RP1001457//WD domain, G-beta repeats  
 NT2RP1001546//4 transmembrane segments integral membrane proteins  
 NT2RP2000008//Zinc finger, C2H2 type  
 NT2RP2000040//C2 domain  
 35 NT2RP2000045//DnaJ, prokaryotic heat shock protein  
 NT2RP2000054//Zinc finger, C3HC4 type (RING finger)  
 NT2RP2000070//Cadherin  
 NT2RP2000126//Helicases conserved C-terminal domain //SNF2 and others N-terminal domain  
 NT2RP2000153//RNA recognition motif. (aka RRM, RBD, or RNP domain)  
 40 NT2RP2000224//PH (pleckstrin, homology) domain  
 NT2RP2000257//Mitochondrial carrier proteins  
 NT2RP2000329//Adenylate kinases  
 NT2RP2000414//RNA recognition motif. (aka RRM, RBD, or RNP domain)  
 NT2RP2000448//PH (pleckstrin homology) domain  
 45 NT2RP2000660//ATPases associated with various cellular activities (AAA)  
 NT2RP2000668//Eukaryotic protein kinase domain  
 NT2RP2000710//tRNA synthetases class II  
 NT2RP2000764//Aminotransferases class-V  
 NT2RP2000842//7 transmembrane receptor (rhodopsin family)  
 50 NT2RP2000880//Elongation factor Tu family (contains ATP/GTP binding P-loop)  
 NT2RP2000931//RNA recognition motif. (aka RRM, RBD, or RNP domain)  
 NT2RP2000932//Ank repeat  
 NT2RP2001081//C2 domain  
 NT2RP2001174//Zinc finger, C2H2 type  
 55 NT2RP2001397//Cyclins  
 NT2RP2001520//Mitochondrial carrier proteins  
 NT2RP2001597//Zinc finger, C3HC4 type (RING finger)  
 NT2RP2001740//Ubiquitin carboxyl-terminal hydrolases family 2



NT2RP2001748//Polyprenyl synthetases  
 NT2RP2001756//Zinc finger, C2H2 type  
 NT2RP2001839//Eukaryotic protein kinase domain  
 NT2RP2001900//Actins  
 5 NT2RP2001991//Sodium:neurotransmitter symporter family  
 NT2RP2002058//WD domain, G-beta repeats  
 NT2RP2002124//Ubiquitin carboxyl-terminal hydrolases family 2 //Ubiquitin carboxyl-terminal hydrolases family 2  
 NT2RP2002185//Ubiquitin family  
 NT2RP2002208//Zinc finger, C3HC4 type (RING finger)  
 10 NT2RP2002256//Cytochrome P450  
 NT2RP2002479//ABC transporters  
 NT2RP2002503//Zinc finger, C2H2 type  
 NT2RP2002520//Ank repeat  
 NT2RP2002591//Zinc finger, C2H2 type  
 15 NT2RP2002741//Src homology domain 3  
 NT2RP2002929//WD domain, G-beta repeats  
 NT2RP2002939//Zinc finger, C2H2 type  
 NT2RP2002959//Ubiquitin-conjugating enzymes  
 NT2RP2002980//Ribosomal protein S10  
 20 NT2RP2003137//Ubiquitin family  
 NT2RP2003164//Eukaryotic protein kinase domain  
 NT2RP2003228//MCM2/3/5 family  
 NT2RP2003243//Fibronectin type III domain  
 NT2RP2003272//Ubiquitin family  
 25 NT2RP2003307//Kinesin light chain repeat  
 NT2RP2003401//Ubiquitin carboxyl-terminal hydrolases family 2 //Ubiquitin carboxyl-terminal hydrolases, family 2  
 NT2RP2003433//eubacterial secY protein  
 NT2RP2003480//Zinc finger, C2H2 type  
 NT2RP2003713//Ubiquitin carboxyl-terminal hydrolases family 2  
 30 NT2RP2003737//Ubiquitin-conjugating enzymes  
 NT2RP2003777//Zinc finger, C3HC4 type (RING finger)  
 NT2RP2003840//Ubiquitin-conjugating enzymes  
 NT2RP2003857//Ank repeat  
 NT2RP2003981//Zinc finger, C3HC4 type (RING finger)  
 35 NT2RP2004170//WD domain, G-beta repeats  
 NT2RP2004187//Zinc finger, C2H2 type  
 NT2RP2004232//Phorbol esters / diacylglycerol binding domain //PH (pleckstrin homology) domain //Eukaryotic  
 protein kinase domain  
 NT2RP2004389//Ribosomal protein S9  
 40 NT2RP2004538//PH (pleckstrin homology) domain  
 NT2RP2004568//DEAD and DEAH box helicases //Helicases conserved C-terminal domain  
 NT2RP2004710//WW/rsp5/WWP domain containing proteins  
 NT2RP2004768//Eukaryotic protein kinase domain  
 NT2RP2004933//Eukaryotic protein kinase domain  
 45 NT2RP2004961//Zinc finger, C2H2 type  
 NT2RP2005003//Zinc finger, C3HC4 type (RING finger)  
 NT2RP2005012//DnaJ, prokaryotic heat shock protein  
 NT2RP2005126//DEAD and DEAH box helicases //Helicases conserved C-terminal domain  
 NT2RP2005139//Ank repeat  
 50 NT2RP2005140//PH (pleckstrin homology) domain  
 NT2RP2005239//Aminotransferases class-V  
 NT2RP2005288//Regulator of chromosome condensation (RCC1)  
 NT2RP2005293//PH (pleckstrin homology) domain  
 NT2RP2005325//Homeobox domain //LIM domain containing proteins  
 55 NT2RP2005344//E1-E2 ATPases  
 NT2RP2005465//Mitochondrial carrier proteins  
 NT2RP2005525//Forkhead-associated (FHA) domain  
 NT2RP2005531//Band 4.1 family

	NT2RP2005557//Bacterial mutT protein
	NT2RP2005654//DnaJ, prokaryotic heat shock protein
	NT2RP2005701//Zinc finger, C3HC4 type (RING finger)
	NT2RP2005722//Zinc finger, C2H2 type
5	NT2RP2005752//TNFR/NGFR cysteine-rich region
	NT2RP2005763//DEAD and DEAH box helicases //Helicases conserved C-terminal domain
	NT2RP2005767//HMG (high mobility group) box
	NT2RP2006312//HMG (high mobility group) box
	NT2RP2006464//HMG (high mobility group) box
10	NT2RP2006571//Cytochrome P450
	NT2RP3000050//Zinc finger, C2H2 type
	NT2RP3000068//PH (pleckstrin homology) domain
	NT2RP3000085//Biotin-requiring enzymes //Carbamoyl-phosphate synthase (CPSase)
	NT2RP3000299//Src homology domain 3
15	NT2RP3000359//Adenylate kinases
	NT2RP3000366//Ras family (contains ATP/GTP binding P-loop)
	NT2RP3000403//WW/rsp5/WWP domain containing proteins
	NT2RP3000487//WW/rsp5/WWP domain containing proteins
	NT2RP3000512//Homeobox domain
20	NT2RP3000527//Zinc finger, C2H2 type
	NT2RP3000531//IG superfamily
	NT2RP3000590//Zinc finger, C3HC4 type (RING finger)
	NT2RP3000603//Helix-loop-helix DNA-binding domain
	NT2RP3000605//Zinc finger, C2H2 type
25	NT2RP3000632//Zinc finger, C2H2 type
	NT2RP3000742//Phosphatidylinositol-specific phospholipase C, X domain //Phosphatidylinositol-specific phospholipase C, Y domain
	NT2RP3000759//ADP-ribosylation factors (Arf family) (contains ATP/GTP binding P-loop)
	NT2RP3000825//EGF-like domain
30	NT2RP3000869//ATPases associated with various cellular activities (AAA)
	NT2RP3000994//Double-stranded RNA binding motif
	NT2RP3001057//Zinc finger, C2H2 type
	NT2RP3001084//PH (pleckstrin homology) domain
	NT2RP3001120//Zinc finger, C2H2 type
35	NT2RP3001140//Thrombospondin type 1 domain
	NT2RP3001150//Forkhead-associated (FHA) domain
	NT2RP3001155//HMG (high mobility group) box
	NT2RP3001214//Zinc finger, C2H2 type
	NT2RP3001268//Zinc finger, C2H2 type
40	NT2RP3001338//Zinc finger, C2H2 type
	NT2RP3001355//Mitochondrial carrier proteins
	NT2RP3001398//Zinc finger, C2H2 type
	NT2RP3001426//DnaJ, prokaryotic heat shock protein
	NT2RP3001453//ABC transporters
45	NT2RP3001457//PH (pleckstrin homology) domain
	NT2RP3001472//HMG (high mobility group) box
	NT2RP3001495//Alcohol/other dehydrogenases, short chain type //WW/rsp5/WWP domain containing proteins
	NT2RP3001497//Zinc finger, C3HC4 type (RING finger)
	NT2RP3001724//Helicases conserved C-terminal domain
50	NT2RP3001792//RNA recognition motif. (aka RRM, RBD, or RNP domain)
	NT2RP3001943//Zinc finger, C3HC4 type (RING finger)
	NT2RP3001944//Zinc finger, C3HC4 type (RING finger)
	NT2RP3002007//ATPases associated with various cellular activities (AAA)
	NT2RP3002054//Low-density lipoprotein receptor domain class A
55	NT2RP3002151//Elongation factor Tu family (contains ATP/GTP binding P-loop)
	NT2RP3002399//MCM2/3/5 family
	NT2RP3002501//Serine/threonine dehydratases
	NT2RP3002602//Thioredoxins

NT2RP3002628//DnaJ, prokaryotic heat shock protein //Thioredoxins  
 NT2RP3002663//PH (pleckstrin homology) domain  
 NT2RP3002909//Ank repeat  
 NT2RP3002953//Cadherin  
 5 NT2RP3002969//AMP-binding enzymes  
 NT2RP3003061//Ank repeat  
 NT2RP3003145//Zinc carboxypeptidases  
 NT2RP3003230//WD domain, G-beta repeats  
 NT2RP3003251//Zinc finger, C3HC4 type (RING finger)  
 10 NT2RP3003278//Ank repeat //Zinc finger, C2H2 type  
 NT2RP3003282//PH (pleckstrin homology) domain  
 NT2RP3003311//PH (pleckstrin homology) domain  
 NT2RP3003385//Ank repeat //Chaperonins clpA/B  
 NT2RP3003589//Ras family (contains ATP/GTP binding P-loop)  
 15 NT2RP3003621//CUB domain //Krigle domain  
 NT2RP3003701//Thrombospondin type 1 domain  
 NT2RP3003716//Fibronectin type III domain  
 NT2RP3003809//ATPases associated with various cellular activities (AAA)  
 NT2RP3004016//Zinc finger, C3HC4 type (RING finger)  
 20 NT2RP3004207//CUB domain //Sushi domain  
 NT2RP3004209//Ubiquitin carboxyl-terminal hydrolases family 2 //Ubiquitin carboxyl-terminal hydrolases family 2  
 NT2RP3004242//PH (pleckstrin homology) domain  
 NT2RP3004262//DnaJ, prokaryotic heat shock protein  
 NT2RP3004566//Zinc finger, C2H2 type  
 25 NT2RP3004569//Ank repeat  
 NT2RP3004594//HMG (high mobility group) box  
 NT2RP3004617//Zinc finger, C3HC4 type (RING finger)  
 NT2RP4000259//Glutathione peroxidases  
 NT2RP4000370//Prokaryotic-type class I peptide chain release factors  
 30 NT2RP4000376//WD domain, G-beta repeats  
 NT2RP4000398//Zinc finger, C2H2 type  
 NT2RP4000455//Forkhead-associated (FHA) domain //Zinc finger, C3HC4 type (RING finger)  
 NT2RP4000457//Ubiquitin carboxyl-terminal hydrolases family 2  
 NT2RP4000518//DEAD and DEAH box helicases //Helicases conserved C-terminal domain  
 35 NT2RP4000588//Actinin-type actin-binding domain containing proteins  
 NT2RP4000614//RNA recognition motif. (aka RRM, RBD, or RNP domain)  
 NT2RP4000648//Forkhead-associated (FHA) domain //Zinc finger, C3HC4 type (RING finger)  
 NT2RP4000837//Zinc finger, C2H2 type  
 NT2RP4000839//WD domain, G-beta repeats  
 40 NT2RP4000865//Zinc finger, C2H2 type  
 NT2RP4000907//Fibronectin type III domain //IG superfamily  
 NT2RP4000925//Fibronectin type III domain  
 NT2RP4000927//Ubiquitin carboxyl-terminal hydrolases family 2 //Ubiquitin carboxyl-terminal hydrolases family 2  
 NT2RP4000973//DnaJ, prokaryotic heat shock protein //Thioredoxins  
 45 NT2RP4001079//E1-E2 ATPases  
 NT2RP4001080//RNA recognition motif. (aka RRM, RBD, or RNP domain)  
 NT2RP4001117//eubacterial secY protein  
 NT2RP4001150//Fibronectin type III domain  
 NT2RP4001213//Zinc finger, C2H2 type  
 50 NT2RP4001219//Thioredoxins  
 NT2RP4001235//Zinc finger, CCHC class  
 NT2RP4001433//Zinc finger, C2H2 type  
 NT2RP4001498//Ank repeat  
 NT2RP4001568//Ank repeat  
 55 NT2RP4001644//Eukaryotic protein kinase domain  
 NT2RP4001725//WD domain, G-beta repeats  
 NT2RP4001753//Zinc finger, C2H2 type  
 NT2RP4001790//Zinc finger, C2H2 type

NT2RP4001822//4 transmembrane segments integral membrane proteins  
 NT2RP4001823//Fibrinogen beta and gamma chains, C-terminal globular domain  
 NT2RP4001893//Ank repeat  
 NT2RP4001896//WD domain, G-beta repeats  
 5 NT2RP4001927//WD domain, G-beta repeats  
 NT2RP4001938//Zinc finger, C2H2 type  
 NT2RP4002047//Elongation factor Tu family (contains ATP/GTP binding P-loop)  
 NT2RP4002078//Zinc finger, C2H2 type  
 NT2RP4002408//Eukaryotic protein kinase domain  
 10 NT2RP4002905//Cyclins  
 NT2RP5003477//WD domain, G-beta repeats  
 OVARC1000006//Core histones H2A, H2B, H3 and H4  
 OVARC1000085//Proteasome A-type and B-type  
 OVARC1000148//RNA recognition motif. (aka RRM, RBD, or RNP domain)  
 15 OVARC1000556//Eukaryotic protein kinase domain  
 OVARC1000649//PH (pleckstrin homology) domain //Src homology domain 2  
 OVARC1000746//Double-stranded RNA binding motif  
 OVARC1000885//Alcohol/other dehydrogenases, short chain type  
 OVARC1000937//Cyclins  
 20 OVARC1000999//Ank repeat  
 OVARC1001154//Granulins  
 OVARC1001180//Ubiquitin family  
 OVARC1001306//Helix-loop-helix DNA-binding domain  
 OVARC1001577//RNA recognition motif. (aka RRM, RBD, or RNP domain)  
 25 OVARC1001731//Tropomyosins  
 OVARC1001943//Zinc finger, C2H2 type  
 OVARC1002050//Spectrin alpha chain, repeated domain  
 OVARC1002112//Core histones H2A, H2B, H3 and H4  
 OVARC1002138//ATPases associated with various cellular activities (AAA)  
 30 OVARC1002182//WD domain, G-beta repeats  
 PLACE1000014//Zinc finger, C3HC4 type (RING finger)  
 PLACE1000040//Ras family (contains ATP/GTP binding P-loop)  
 PLACE1000050//Zinc finger, C2H2 type  
 PLACE1000081//PH (pleckstrin homology) domain  
 35 PLACE1000142//Enoyl-CoA hydratase/isomerase  
 PLACE1000401//IG superfamily  
 PLACE1000406//RNA recognition motif. (aka RRM, RBD, or RNP domain)  
 PLACE1000420//Bacterial mutT protein  
 PLACE1000706//Bromodomain  
 40 PLACE1000769//KH domain family of RNA binding proteins  
 PLACE1000786//PH (pleckstrin homology) domain  
 PLACE1000863//Ribosomal protein S4  
 PLACE1000909//Ank repeat  
 PLACE1000972//Src homology domain 3  
 45 PLACE1000979//Zinc finger, C2H2 type  
 PLACE1001304//Zinc finger, C2H2 type  
 PLACE1001387//Src homology domain 3  
 PLACE1001632//Zinc finger, C2H2 type  
 PLACE1001672//Aminotransferases class-III pyridoxal-phosphate  
 50 PLACE1001716//Zinc finger, CCHC class  
 PLACE1001739//DEAD and DEAH box helicases //Helicases conserved C-terminal domain  
 PLACE1001781//Phosphoglucomutase and phosphomannomutase phosphoserine  
 PLACE1001869//FGGY family of carbohydrate kinases  
 PLACE1002438//Zinc finger, C2H2 type  
 55 PLACE1002450//Zinc finger, C2H2 type  
 PLACE1002474//EGF-like domain //von Willebrand factor type A domain  
 PLACE1002499//Zinc finger, C3HC4 type (RING finger)  
 PLACE1002532//Homeobox domain

PLACE1002571//Actins  
 PLACE1002685//Src homology domain 2  
 PLACE1002722//7 transmembrane receptor (rhodopsin family)  
 PLACE1002775//Bromodomain  
 5 PLACE1002834//Zinc finger, C2H2 type  
 PLACE1003100//Alcohol/other dehydrogenases, short chain type  
 PLACE1003174//Ubiquitin-conjugating enzymes  
 PLACE1003238//7 transmembrane receptor (rhodopsin family)  
 PLACE1003302//Zinc finger, C2H2 type  
 10 PLACE1003334//RNA recognition motif. (aka RRM, RBD, or RNP domain)  
 PLACE1003366//C2 domain  
 PLACE1003394//Ras family (contains ATP/GTP binding P-loop)  
 PLACE1003420//Mitochondrial carrier proteins  
 PLACE1003493//C1q domain  
 15 PLACE1003519//KH domain family of RNA binding-proteins  
 PLACE1003723//Src homology domain 2  
 PLACE1003738//Zinc finger, C2H2 type  
 PLACE1003888//C2 domain //Phosphatidylinositol-specific phospholipase C, X domain //Phosphatidylinositol-specific phospholipase C, Y domain  
 20 PLACE1004128//WD domain, G-beta repeats  
 PLACE1004358//PH (pleckstrin homology) domain  
 PLACE1004428//Acyl-CoA dehydrogenases  
 PLACE1004437//Isocitrate and isopropylmalate dehydrogenases  
 PLACE1004506//LIM domain containing proteins  
 25 PLACE1004674//EF hand  
 PLACE1004918//L-lactate dehydrogenases  
 PLACE1005243//Eukaryotic protein kinase domain  
 PLACE1005305//Adenylate kinases  
 PLACE1005327//Src homology domain 3  
 30 PLACE1005530//Zinc finger, C3HC4 type (RING finger)  
 PLACE1005646//Helicases conserved C-terminal domain  
 PLACE1005656//Ribonucleotide reductases  
 PLACE1005966//WD domain, G-beta repeats  
 PLACE1006157//Sushi domain  
 35 PLACE1006196//DEAH and DEAR box helicases //Helicases conserved C-terminal domain  
 PLACE1006438//Zinc finger, C2H2 type  
 PLACE1006626//Double-stranded RNA binding motif  
 PLACE1006754//IG superfamily  
 PLACE1006829//Ubiquitin carboxyl-terminal hydrolases family 2 //Ubiquitin carboxyl-terminal hydrolases family 2  
 40 PLACE1006917//RNA recognition motif. (aka RRM, RBD, or RNP domain)  
 PLACE1006956//ABC transporters  
 PLACE1006958//Heat shock hsp70 proteins  
 PLACE1007375//C2 domain  
 PLACE1007488//PH (pleckstrin homology) domain  
 45 PLACE1007511//Intermediate filament proteins  
 PLACE1007537//Ank repeat  
 PLACE1007544//Zinc finger, C2H2 type  
 PLACE1007547//Zinc finger, C3HC4 type (RING finger)  
 PLACE1007598//Zinc finger, C2H2 type  
 50 PLACE1007697//ABC transporters  
 PLACE1007958//3'5'-cyclic nucleotide phosphodiesterases  
 PLACE1007969//RNA recognition motif. (aka RRM, RBD, or RNP domain)  
 PLACE1008201//Zinc finger, C2H2 type  
 PLACE1008429//Ank repeat  
 55 PLACE1008465//Zinc finger, C2H2 type  
 PLACE1008650//WD domain, G-beta repeats  
 PLACE1009020//Aminotransferases class-V  
 PLACE1009094//von Willebrand factor type C domain

PLACE1009099//Zinc finger, C2H2 type  
 PLACE1009246//LIM domain containing proteins  
 PLACE1009468//WD domain, G-beta repeats  
 PLACE1009476//DEAD and DEAH box helicases //Helicases conserved C-terminal domain  
 5 PLACE1009524//PH (pleckstrin homology) domain  
 PLACE1009596//WD domain, G-beta repeats  
 PLACE1009622//Double-stranded RNA binding motif  
 PLACE1009861//Cysteine proteases  
 PLACE1009925//Helicases conserved C-terminal domain  
 10 PLACE1009992//CUB domain //EGF-like domain //Sushi domain //Trypsin  
 PLACE1010053//Double-stranded RNA binding motif  
 PLACE1010089//Ubiquitin carboxyl-terminal hydrolases family 2  
 PLACE1010702//Zinc finger, C2H2 type  
 PLACE1010833//EF hand  
 15 PLACE1010926//Src homology domain 3  
 PLACE1010960//Actins  
 PLACE1011041//Src homology domain 3  
 PLACE1011046//C2 domain //Phosphatidylinositol-specific phospholipase C, X domain //Phosphatidylinositol-spe-  
 cific phospholipase C, Y domain  
 20 PLACE1011114//Helicases conserved C-terminal domain  
 PLACE1011160//Zinc finger, C3HC4 type (RING finger)  
 PLACE1011263//Ank repeat  
 PLACE1011433//Zinc finger, C2H2 type  
 PLACE1011576//Zinc finger, C2H2 type  
 25 PLACE1011923//Eukaryotic protein kinase domain  
 PLACE2000034//Fibronectin type III domain //IG superfamily  
 PLACE2000072//Zinc finger, C2H2 type  
 PLACE2000111//IG superfamily  
 PLACE2000164//WD domain, G-beta repeats  
 30 PLACE2000216//PH (pleckstrin homology) domain  
 PLACE2000341//Sodium:solute symporter family  
 PLACE2000371//Src homology domain 2  
 PLACE2000373//Thrombospondin type 1 domain  
 PLACE2000398//IG superfamily  
 35 PLACE2000427//Helicases conserved C-terminal domain  
 PLACE2000458//Cadherin  
 PLACE3000020//Guanylate cyclases  
 PLACE3000169//Zinc finger, C2H2 type  
 PLACE4000014//Helicases conserved C-terminal domain  
 40 PLACE4000052//ABC transporters  
 PLACE4000192//Zinc finger, C2H2 type  
 PLACE4000211//Bromodomain  
 PLACE4000431//Helicases conserved C-terminal domain  
 PLACE4000522//Ank repeat  
 45 PLACE4000581//EGF-like domain //Sushi domain  
 PLACE4000654//Ubiquitin-conjugating enzymes  
 THYRO1000072//IG superfamily  
 THYRO1000242//Zinc finger, C2H2 type  
 THYRO1000288//Zinc-binding metalloprotease domain  
 50 THYRO1000488//Zinc finger, C3HC4 type (RING finger)  
 THYRO1000501//Zinc finger, C3HC4 type (RING finger)  
 THYRO1000666//Kinesin motor domain  
 THYRO1000748//Src homology domain 3  
 THYRO1000926//3' 5'-cyclic nucleotide phosphodiesterases  
 55 THYRO1001661//RNA recognition motif. (aka RRM, RBD, or RNP domain)  
 THYRO1001671//Ubiquitin family  
 Y79AA1000037//Zinc finger, C3HC4 type (RING finger)  
 Y79AA1000214//Core histones H2A, H2B, H3 and H4

Y79AA1000342//Zinc finger, C2H2 type  
 Y79AA1000349//Double-stranded RNA binding motif  
 Y79AA1000627//Zinc finger, C2H2 type  
 Y79AA1000705//Helicases conserved C-terminal domain  
 5 Y79AA1000752//KH domain family of RNA binding proteins  
 Y79AA1000833//Tubulin  
 Y79AA1001048//Acyl-CoA dehydrogenases  
 Y79AA1001391//Homeobox domain  
 Y79AA1001394//ATPases associated with various cellular activities (AAA)  
 10 Y79AA1001493//Ubiquitin-conjugating enzymes  
 Y79AA1001613//Zinc finger, C2H2 type  
 Y79AA1001874//TNFR/NGFR cysteine-rich region  
 Y79AA1002027//Ubiquitin-conjugating enzymes  
 Y79AA1002139//DnaJ, prokaryotic heat shock protein  
 15 Y79AA1002208//Ank repeat  
 Y79AA1002246//C2 domain  
 Y79AA1002307//Fibronectin type III domain  
 Y79AA1002472//Zinc finger, C2H2 type  
 HEMBA1003538//CUB domain HEMBA1003645//WD domain, G-beta repeats //Src homology domain 3  
 20 HEMBA1005206//Glutathione S-transferases.  
 HEMBA1006521//Alcohol/other dehydrogenases, short chain type  
 HEMBB1001482//Zinc finger, C2H2 type HEMBB1001915//Ubiquitin carboxyl-terminal hydrolases family 2 //Ubiquitin carboxyl-terminal hydrolases family 2 HEMBB1002044//Cadherin MAMMA1000183//Zinc finger, C2H2 type  
 MAMMA1000897//von Willebrand factor type A domain MAMMA1001080//IG superfamily MAMMA1002498//IG  
 25 superfamily MAMMA1002573//KH domain family of RNA binding proteins MAMMA1002617//Zinc finger, C2H2 type  
 NT2RM1000833//eubacterial secY protein NT2RM2001797//Zinc finger, C2H2 type  
 NT2RP1001013//Zinc finger, C2H2 type NT2RP2001233//Zinc finger, C2H2 type  
 NT2RP2001440//14-3-3 proteins NT2RP2002105//7 transmembrane receptor (rhodopsin family)  
 NT2RP3001723//Laminin G domain NT2RP3001938//Eukaryotic protein kinase domain NT2RP3002330//Elongation factor Tu family (contains ATP/GTP binding P-loop) NT2RP3003133//Zinc finger, C2H2 type  
 30 NT2RP3003500//Eukaryotic protein kinase domain NT2RP3003799//C2 domain  
 NT2RP3003800//Eukaryotic protein kinase domain NT2RP3004013//Double-stranded RNA binding motif  
 NT2RP3004125//Zinc finger, C2H2 type  
 OVARC1001244//Bromodomain OVARC1001496//D-isomer specific 2-hydroxyacid dehydrogenases  
 35 PLACE1000007//Ubiquitin carboxyl-terminal hydrolases family 2 //Ubiquitin carboxyl-terminal hydrolases family 2  
 PLACE1001118//Zinc finger, C2H2 type PLACE1010310//Zinc finger, C2H2 type PLACE1011896//wnt family of developmental signaling proteins PLACE3000124//Src homology domain 2  
 PLACE4000100//D-isomer specific 2-hydroxyacid dehydrogenases  
 PLACE4000259//Helicases conserved C-terminal domain PLACE4000261//Bromodomain SKNMC1000013//ABC  
 40 transporters SKNMC1000091//Basic region plus leucine zipper transcription factors THYRO1000343//Src homology domain 3 THYRO1000569//Zinc finger, C2H2 type THYRO1001189//Zinc finger, C2H2 type Y79AA1002103//Zinc finger, C2H2 type PLACE3000350//Eukaryotic protein kinase domain  
 PLACE4000156//Zinc finger, C2H2 type

#### 45 EXAMPLE 18

Classification of cDNA clones into functional categories based on the full-length nucleotide sequences

50 **[0257]** Prediction of functions of proteins encoded by the clones and the categorization thereof were performed based on the results of homology search (see Homology search results 6, 12, 13 and 14) of the databases, GenBank, Swiss-Prot and UniGene, for the full-length nucleotide sequences of 4997 clones and based on the results of domain search (see Example 17) of the deduced amino acid sequences encoded by the full-length nucleotide sequences. The target 4997 clones are listed below:

55 HEMBA1000005, HEMBA1000012, HEMBA1000020, HEMBA1000030, HEMBA1000042, HEMBA1000046,  
 HEMBA1000050, HEMBA1000076, HEMBA1000129, HEMBA1000141, HEMBA1000150, HEMBA1000156,  
 HEMBA1000158, HEMBA1000168, HEMBA1000185, HEMBA1000193, HEMBA1000201, HEMBA1000213,  
 HEMBA1000216, HEMBA1000227, HEMBA1000231, HEMBA1000243, HEMBA1000244, HEMBA1000251,  
 HEMBA1000264, HEMBA1000280, HEMBA1000282, HEMBA1000288, HEMBA1000290, HEMBA1000302,

EP 1 074 617 A2

	HEMBA1000303,	HEMBA1000304,	HEMBA1000307,	HEMBA1000327,	HEMBA1000333,	HEMBA1000338,
	HEMBA1000351,	HEMBA1000356,	HEMBA1000357,	HEMBA1000369,	HEMBA1000376,	HEMBA1000387,
	HEMBA1000392,	HEMBA1000396,	HEMBA1000411,	HEMBA1000428,	HEMBA1000442,	HEMBA1000456,
	HEMBA1000459,	HEMBA1000460,	HEMBA1000469,	HEMBA1000488,	HEMBA1000491,	HEMBA1000497,
5	HEMBA1000501,	HEMBA1000504,	HEMBA1000505,	HEMBA1000508,	HEMBA1000518,	HEMBA1000519,
	HEMBA1000520,	HEMBA1000523,	HEMBA1000531,	HEMBA1000534,	HEMBA1000542,	HEMBA1000545,
	HEMBA1000555,	HEMBA1000557,	HEMBA1000561,	HEMBA1000568,	HEMBA1000569,	HEMBA1000575,
	HEMBA1000588,	HEMBA1000591,	HEMBA1000592,	HEMBA1000594,	HEMBA1000604,	HEMBA1000608,
	HEMBA1000622,	HEMBA1000636,	HEMBA1000637,	HEMBA1000655,	HEMBA1000657,	HEMBA1000673,
10	HEMBA1000682,	HEMBA1000686,	HEMBA1000702,	HEMBA1000719,	HEMBA1000722,	HEMBA1000726,
	HEMBA1000727,	HEMBA1000749,	HEMBA1000752,	HEMBA1000769,	HEMBA1000773,	HEMBA1000774,
	HEMBA1000817,	HEMBA1000822,	HEMBA1000843,	HEMBA1000851,	HEMBA1000852,	HEMBA1000867,
	HEMBA1000869,	HEMBA1000870,	HEMBA1000872,	HEMBA1000876,	HEMBA1000908,	HEMBA1000910,
	HEMBA1000918,	HEMBA1000919,	HEMBA1000934,	HEMBA1000942,	HEMBA1000943,	HEMBA1000946,
15	HEMBA1000960,	HEMBA1000968,	HEMBA1000971,	HEMBA1000972,	HEMBA1000975,	HEMBA1000985,
	HEMBA1000986,	HEMBA1000991,	HEMBA1001008,	HEMBA1001009,	HEMBA1001019,	HEMBA1001020,
	HEMBA1001022,	HEMBA1001024,	HEMBA1001026,	HEMBA1001043,	HEMBA1001051,	HEMBA1001052,
	HEMBA1001059,	HEMBA1001060,	HEMBA1001071,	HEMBA1001077,	HEMBA1001080,	HEMBA1001085,
	HEMBA1001088,	HEMBA1001094,	HEMBA1001099,	HEMBA1001109,	HEMBA1001121,	HEMBA1001122,
20	HEMBA1001123,	HEMBA1001133,	HEMBA1001137,	HEMBA1001140,	HEMBA1001174,	HEMBA1001197,
	HEMBA1001208,	HEMBA1001213,	HEMBA1001226,	HEMBA1001235,	HEMBA1001247,	HEMBA1001257,
	HEMBA1001281,	HEMBA1001286,	HEMBA1001299,	HEMBA1001302,	HEMBA1001303,	HEMBA1001310,
	HEMBA1001319,	HEMBA1001323,	HEMBA1001326,	HEMBA1001327,	HEMBA1001330,	HEMBA1001351,
	HEMBA1001361,	HEMBA1001375,	HEMBA1001377,	HEMBA1001383,	HEMBA1001387,	HEMBA1001388,
25	HEMBA1001391,	HEMBA1001398,	HEMBA1001405,	HEMBA1001407,	HEMBA1001411,	HEMBA1001413,
	HEMBA1001415,	HEMBA1001432,	HEMBA1001433,	HEMBA1001435,	HEMBA1001442,	HEMBA1001446,
	HEMBA1001450,	HEMBA1001455,	HEMBA1001463,	HEMBA1001497,	HEMBA1001510,	HEMBA1001515,
	HEMBA1001522,	HEMBA1001526,	HEMBA1001533,	HEMBA1001557,	HEMBA1001566,	HEMBA1001569,
	HEMBA1001570,	HEMBA1001579,	HEMBA1001581,	HEMBA1001589,	HEMBA1001595,	HEMBA1001608,
30	HEMBA1001620,	HEMBA1001635,	HEMBA1001636,	HEMBA1001640,	HEMBA1001647,	HEMBA1001651,
	HEMBA1001655,	HEMBA1001658,	HEMBA1001661,	HEMBA1001672,	HEMBA1001675,	HEMBA1001702,
	HEMBA1001711,	HEMBA1001712,	HEMBA1001714,	HEMBA1001723,	HEMBA1001731,	HEMBA1001734,
	HEMBA1001744,	HEMBA1001745,	HEMBA1001746,	HEMBA1001750,	HEMBA1001781,	HEMBA1001784,
	HEMBA1001791,	HEMBA1001803,	HEMBA1001804,	HEMBA1001809,	HEMBA1001815,	HEMBA1001819,
35	HEMBA1001820,	HEMBA1001822,	HEMBA1001824,	HEMBA1001835,	HEMBA1001847,	HEMBA1001864,
	HEMBA1001866,	HEMBA1001869,	HEMBA1001888,	HEMBA1001896,	HEMBA1001910,	HEMBA1001912,
	HEMBA1001913,	HEMBA1001915,	HEMBA1001918,	HEMBA1001921,	HEMBA1001939,	HEMBA1001940,
	HEMBA1001942,	HEMBA1001950,	HEMBA1001964,	HEMBA1001967,	HEMBA1001987,	HEMBA1002018,
	HEMBA1002022,	HEMBA1002035,	HEMBA1002039,	HEMBA1002049,	HEMBA1002084,	HEMBA1002092,
40	HEMBA1002100,	HEMBA1002102,	HEMBA1002113,	HEMBA1002119,	HEMBA1002125,	HEMBA1002139,
	HEMBA1002150,	HEMBA1002151,	HEMBA1002160,	HEMBA1002161,	HEMBA1002162,	HEMBA1002166,
	HEMBA1002177,	HEMBA1002185,	HEMBA1002189,	HEMBA1002191,	HEMBA1002199,	HEMBA1002204,
	HEMBA1002212,	HEMBA1002215,	HEMBA1002229,	HEMBA1002237,	HEMBA1002241,	HEMBA1002265,
	HEMBA1002267,	HEMBA1002328,	HEMBA1002337,	HEMBA1002341,	HEMBA1002348,	HEMBA1002349,
45	HEMBA1002363,	HEMBA1002381,	HEMBA1002417,	HEMBA1002419,	HEMBA1002430,	HEMBA1002439,
	HEMBA1002458,	HEMBA1002460,	HEMBA1002462,	HEMBA1002469,	HEMBA1002475,	HEMBA1002477,
	HEMBA1002486,	HEMBA1002495,	HEMBA1002498,	HEMBA1002503,	HEMBA1002508,	HEMBA1002513,
	HEMBA1002515,	HEMBA1002538,	HEMBA1002542,	HEMBA1002547,	HEMBA1002552,	HEMBA1002555,
	HEMBA1002558,	HEMBA1002569,	HEMBA1002583,	HEMBA1002609,	HEMBA1002621,	HEMBA1002624,
50	HEMBA1002629,	HEMBA1002645,	HEMBA1002659,	HEMBA1002661,	HEMBA1002666,	HEMBA1002678,
	HEMBA1002679,	HEMBA1002688,	HEMBA1002696,	HEMBA1002703,	HEMBA1002712,	HEMBA1002716,
	HEMBA1002742,	HEMBA1002746,	HEMBA1002748,	HEMBA1002750,	HEMBA1002768,	HEMBA1002770,
	HEMBA1002777,	HEMBA1002779,	HEMBA1002780,	HEMBA1002794,	HEMBA1002801,	HEMBA1002810,
	HEMBA1002816,	HEMBA1002818,	HEMBA1002826,	HEMBA1002833,	HEMBA1002850,	HEMBA1002863,
55	HEMBA1002876,	HEMBA1002921,	HEMBA1002934,	HEMBA1002935,	HEMBA1002937,	HEMBA1002939,
	HEMBA1002944,	HEMBA1002951,	HEMBA1002954,	HEMBA1002968,	HEMBA1002970,	HEMBA1002971,
	HEMBA1002973,	HEMBA1002997,	HEMBA1002999,	HEMBA1003021,	HEMBA1003033,	HEMBA1003034,
	HEMBA1003035,	HEMBA1003037,	HEMBA1003041,	HEMBA1003046,	HEMBA1003067,	HEMBA1003071,



EP 1 074 617 A2

	HEMBA1003077,	HEMBA1003078,	HEMBA1003079,	HEMBA1003083,	HEMBA1003086,	HEMBA1003096,
	HEMBA1003098,	HEMBA1003117,	HEMBA1003129,	HEMBA1003133,	HEMBA1003136,	HEMBA1003142,
	HEMBA1003148,	HEMBA1003166,	HEMBA1003175,	HEMBA1003179,	HEMBA1003197,	HEMBA1003199,
	HEMBA1003202,	HEMBA1003220,	HEMBA1003222,	HEMBA1003229,	HEMBA1003235,	HEMBA1003250,
5	HEMBA1003257,	HEMBA1003273,	HEMBA1003276,	HEMBA1003278,	HEMBA1003281,	HEMBA1003286,
	HEMBA1003291,	HEMBA1003304,	HEMBA1003309,	HEMBA1003322,	HEMBA1003327,	HEMBA1003328,
	HEMBA1003369,	HEMBA1003370,	HEMBA1003373,	HEMBA1003376,	HEMBA1003380,	HEMBA1003384,
	HEMBA1003395,	HEMBA1003402,	HEMBA1003408,	HEMBA1003417,	HEMBA1003418,	HEMBA1003433,
	HEMBA1003447,	HEMBA1003461,	HEMBA1003463,	HEMBA1003480,	HEMBA1003528,	HEMBA1003531,
10	HEMBA1003538,	HEMBA1003545,	HEMBA1003548,	HEMBA1003555,	HEMBA1003556,	HEMBA1003560,
	HEMBA1003568,	HEMBA1003569,	HEMBA1003571,	HEMBA1003579,	HEMBA1003581,	HEMBA1003591,
	HEMBA1003597,	HEMBA1003598,	HEMBA1003615,	HEMBA1003617,	HEMBA1003621,	HEMBA1003645,
	HEMBA1003646,	HEMBA1003656,	HEMBA1003662,	HEMBA1003667,	HEMBA1003679,	HEMBA1003680,
	HEMBA1003684,	HEMBA1003690,	HEMBA1003692,	HEMBA1003711,	HEMBA1003720,	HEMBA1003725,
15	HEMBA1003729,	HEMBA1003733,	HEMBA1003742,	HEMBA1003758,	HEMBA1003760,	HEMBA1003773,
	HEMBA1003783,	HEMBA1003799,	HEMBA1003803,	HEMBA1003804,	HEMBA1003805,	HEMBA1003807,
	HEMBA1003827,	HEMBA1003836,	HEMBA1003838,	HEMBA1003854,	HEMBA1003856,	HEMBA1003864,
	HEMBA1003866,	HEMBA1003879,	HEMBA1003880,	HEMBA1003893,	HEMBA1003908,	HEMBA1003926,
	HEMBA1003937,	HEMBA1003939,	HEMBA1003942,	HEMBA1003953,	HEMBA1003958,	HEMBA1003959,
20	HEMBA1003976,	HEMBA1003978,	HEMBA1003985,	HEMBA1003987,	HEMBA1003989,	HEMBA1004011,
	HEMBA1004012,	HEMBA1004015,	HEMBA1004024,	HEMBA1004038,	HEMBA1004045,	HEMBA1004048,
	HEMBA1004055,	HEMBA1004056,	HEMBA1004074,	HEMBA1004086,	HEMBA1004097,	HEMBA1004111,
	HEMBA1004131,	HEMBA1004138,	HEMBA1004143,	HEMBA1004146,	HEMBA1004150,	HEMBA1004168,
	HEMBA1004193,	HEMBA1004199,	HEMBA1004200,	HEMBA1004202,	HEMBA1004203,	HEMBA1004207,
25	HEMBA1004225,	HEMBA1004227,	HEMBA1004238,	HEMBA1004241,	HEMBA1004246,	HEMBA1004248,
	HEMBA1004267,	HEMBA1004272,	HEMBA1004274,	HEMBA1004275,	HEMBA1004276,	HEMBA1004286,
	HEMBA1004289,	HEMBA1004295,	HEMBA1004312,	HEMBA1004321,	HEMBA1004323,	HEMBA1004327,
	HEMBA1004330,	HEMBA1004335,	HEMBA1004341,	HEMBA1004353,	HEMBA1004354,	HEMBA1004356,
	HEMBA1004366,	HEMBA1004372,	HEMBA1004389,	HEMBA1004394,	HEMBA1004396,	HEMBA1004405,
30	HEMBA1004408,	HEMBA1004429,	HEMBA1004433,	HEMBA1004460,	HEMBA1004461,	HEMBA1004479,
	HEMBA1004499,	HEMBA1004502,	HEMBA1004507,	HEMBA1004509,	HEMBA1004534,	HEMBA1004538,
	HEMBA1004542,	HEMBA1004554,	HEMBA1004560,	HEMBA1004573,	HEMBA1004577,	HEMBA1004596,
	HEMBA1004604,	HEMBA1004610,	HEMBA1004617,	HEMBA1004629,	HEMBA1004631,	HEMBA1004632,
	HEMBA1004637,	HEMBA1004638,	HEMBA1004669,	HEMBA1004670,	HEMBA1004672,	HEMBA1004693,
35	HEMBA1004697,	HEMBA1004705,	HEMBA1004709,	HEMBA1004711,	HEMBA1004725,	HEMBA1004730,
	HEMBA1004733,	HEMBA1004734,	HEMBA1004736,	HEMBA1004748,	HEMBA1004751,	HEMBA1004752,
	HEMBA1004753,	HEMBA1004756,	HEMBA1004758,	HEMBA1004763,	HEMBA1004768,	HEMBA1004771,
	HEMBA1004776,	HEMBA1004778,	HEMBA1004795,	HEMBA1004803,	HEMBA1004806,	HEMBA1004807,
	HEMBA1004820,	HEMBA1004847,	HEMBA1004850,	HEMBA1004860,	HEMBA1004863,	HEMBA1004865,
40	HEMBA1004880,	HEMBA1004889,	HEMBA1004900,	HEMBA1004909,	HEMBA1004923,	HEMBA1004929,
	HEMBA1004930,	HEMBA1004933,	HEMBA1004934,	HEMBA1004944,	HEMBA1004954,	HEMBA1004960,
	HEMBA1004972,	HEMBA1004973,	HEMBA1004977,	HEMBA1004978,	HEMBA1004980,	HEMBA1004983,
	HEMBA1004995,	HEMBA1005009,	HEMBA1005019,	HEMBA1005029,	HEMBA1005035,	HEMBA1005039,
	HEMBA1005047,	HEMBA1005050,	HEMBA1005062,	HEMBA1005066,	HEMBA1005075,	HEMBA1005079,
45	HEMBA1005083,	HEMBA1005101,	HEMBA1005113,	HEMBA1005123,	HEMBA1005133,	HEMBA1005149,
	HEMBA1005152,	HEMBA1005185,	HEMBA1005201,	HEMBA1005202,	HEMBA1005206,	HEMBA1005219,
	HEMBA1005223,	HEMBA1005232,	HEMBA1005241,	HEMBA1005252,	HEMBA1005275,	HEMBA1005293,
	HEMBA1005296,	HEMBA1005311,	HEMBA1005314,	HEMBA1005331,	HEMBA1005338,	HEMBA1005359,
	HEMBA1005367,	HEMBA1005374,	HEMBA1005382,	HEMBA1005394,	HEMBA1005403,	HEMBA1005411,
50	HEMBA1005423,	HEMBA1005426,	HEMBA1005443,	HEMBA1005447,	HEMBA1005468,	HEMBA1005469,
	HEMBA1005472,	HEMBA1005474,	HEMBA1005475,	HEMBA1005497,	HEMBA1005500,	HEMBA1005506,
	HEMBA1005508,	HEMBA1005513,	HEMBA1005517,	HEMBA1005518,	HEMBA1005526,	HEMBA1005528,
	HEMBA1005530,	HEMBA1005548,	HEMBA1005552,	HEMBA1005558,	HEMBA1005568,	HEMBA1005572,
	HEMBA1005576,	HEMBA1005581,	HEMBA1005582,	HEMBA1005583,	HEMBA1005588,	HEMBA1005593,
55	HEMBA1005595,	HEMBA1005606,	HEMBA1005609,	HEMBA1005616,	HEMBA1005621,	HEMBA1005627,
	HEMBA1005666,	HEMBA1005670,	HEMBA1005679,	HEMBA1005680,	HEMBA1005685,	HEMBA1005699,
	HEMBA1005705,	HEMBA1005732,	HEMBA1005737,	HEMBA1005746,	HEMBA1005755,	HEMBA1005780,
	HEMBA1005813,	HEMBA1005815,	HEMBA1005822,	HEMBA1005834,	HEMBA1005852,	HEMBA1005884,

EP 1 074 617 A2

	HEMBA1005891,	HEMBA1005894,	HEMBA1005909,	HEMBA1005911,	HEMBA1005921,	HEMBA1005931,
	HEMBA1005963,	HEMBA1005990,	HEMBA1005991,	HEMBA1006005,	HEMBA1006031,	HEMBA1006035,
	HEMBA1006036,	HEMBA1006038,	HEMBA1006067,	HEMBA1006081,	HEMBA1006090,	HEMBA1006091,
	HEMBA1006092,	HEMBA1006100,	HEMBA1006108,	HEMBA1006121,	HEMBA1006124,	HEMBA1006130,
5	HEMBA1006138,	HEMBA1006155,	HEMBA1006158,	HEMBA1006173,	HEMBA1006182,	HEMBA1006198,
	HEMBA1006235,	HEMBA1006248,	HEMBA1006252,	HEMBA1006253,	HEMBA1006259,	HEMBA1006268,
	HEMBA1006272,	HEMBA1006278,	HEMBA1006283,	HEMBA1006284,	HEMBA1006291,	HEMBA1006293,
	HEMBA1006309,	HEMBA1006310,	HEMBA1006344,	HEMBA1006347,	HEMBA1006349,	HEMBA1006359,
	HEMBA1006364,	HEMBA1006377,	HEMBA1006380,	HEMBA1006381,	HEMBA1006398,	HEMBA1006406,
10	HEMBA1006416,	HEMBA1006421,	HEMBA1006424,	HEMBA1006426,	HEMBA1006445,	HEMBA1006446,
	HEMBA1006461,	HEMBA1006467,	HEMBA1006474,	HEMBA1006483,	HEMBA1006485,	HEMBA1006486,
	HEMBA1006492,	HEMBA1006494,	HEMBA1006497,	HEMBA1006502,	HEMBA1006507,	HEMBA1006521,
	HEMBA1006530,	HEMBA1006535,	HEMBA1006546,	HEMBA1006559,	HEMBA1006562,	HEMBA1006566,
	HEMBA1006579,	HEMBA1006583,	HEMBA1006595,	HEMBA1006597,	HEMBA1006612,	HEMBA1006617,
15	HEMBA1006624,	HEMBA1006631,	HEMBA1006639,	HEMBA1006643,	HEMBA1006650,	HEMBA1006652,
	HEMBA1006659,	HEMBA1006665,	HEMBA1006674,	HEMBA1006676,	HEMBA1006682,	HEMBA1006695,
	HEMBA1006708,	HEMBA1006709,	HEMBA1006717,	HEMBA1006737,	HEMBA1006744,	HEMBA1006754,
	HEMBA1006758,	HEMBA1006767,	HEMBA1006779,	HEMBA1006780,	HEMBA1006789,	HEMBA1006795,
	HEMBA1006796,	HEMBA1006807,	HEMBA1006812,	HEMBA1006824,	HEMBA1006832,	HEMBA1006865,
20	HEMBA1006877,	HEMBA1006885,	HEMBA1006900,	HEMBA1006914,	HEMBA1006921,	HEMBA1006926,
	HEMBA1006936,	HEMBA1006941,	HEMBA1006949,	HEMBA1006973,	HEMBA1006976,	HEMBA1006993,
	HEMBA1007002,	HEMBA1007018,	HEMBA1007051,	HEMBA1007052,	HEMBA1007062,	HEMBA1007066,
	HEMBA1007073,	HEMBA1007078,	HEMBA1007080,	HEMBA1007085,	HEMBA1007087,	HEMBA1007112,
	HEMBA1007113,	HEMBA1007121,	HEMBA1007129,	HEMBA1007147,	HEMBA1007151,	HEMBA1007174,
25	HEMBA1007178,	HEMBA1007194,	HEMBA1007203,	HEMBA1007206,	HEMBA1007224,	HEMBA1007243,
	HEMBA1007251,	HEMBA1007256,	HEMBA1007267,	HEMBA1007281,	HEMBA1007288,	HEMBA1007300,
	HEMBA1007301,	HEMBA1007319,	HEMBA1007320,	HEMBA1007322,	HEMBA1007327,	HEMBA1007341,
	HEMBA1007342,	HEMBA1007347,	HEMBA1000005,	HEMBA1000008,	HEMBA1000018,	HEMBA1000024,
	HEMBA1000025,	HEMBA1000030,	HEMBA1000036,	HEMBA1000037,	HEMBA1000048,	HEMBA1000050,
30	HEMBA1000054,	HEMBA1000059,	HEMBA1000083,	HEMBA1000089,	HEMBA1000099,	HEMBA1000103,
	HEMBA1000113,	HEMBA1000119,	HEMBA1000136,	HEMBA1000141,	HEMBA1000144,	HEMBA1000173,
	HEMBA1000175,	HEMBA1000198,	HEMBA1000215,	HEMBA1000217,	HEMBA1000218,	HEMBA1000226,
	HEMBA1000240,	HEMBA1000244,	HEMBA1000264,	HEMBA1000266,	HEMBA1000272,	HEMBA1000274,
	HEMBA1000312,	HEMBA1000317,	HEMBA1000318,	HEMBA1000335,	HEMBA1000336,	HEMBA1000337,
35	HEMBA1000338,	HEMBA1000339,	HEMBA1000341,	HEMBA1000343,	HEMBA1000354,	HEMBA1000374,
	HEMBA1000391,	HEMBA1000402,	HEMBA1000420,	HEMBA1000434,	HEMBA1000438,	HEMBA1000441,
	HEMBA1000449,	HEMBA1000480,	HEMBA1000491,	HEMBA1000493,	HEMBA1000510,	HEMBA1000530,
	HEMBA1000550,	HEMBA1000554,	HEMBA1000556,	HEMBA1000573,	HEMBA1000586,	HEMBA1000589,
	HEMBA1000591,	HEMBA1000592,	HEMBA1000593,	HEMBA1000623,	HEMBA1000630,	HEMBA1000631,
40	HEMBA1000632,	HEMBA1000637,	HEMBA1000649,	HEMBA1000652,	HEMBA1000671,	HEMBA1000672,
	HEMBA1000673,	HEMBA1000684,	HEMBA1000693,	HEMBA1000705,	HEMBA1000706,	HEMBA1000709,
	HEMBA1000725,	HEMBA1000726,	HEMBA1000749,	HEMBA1000763,	HEMBA1000770,	HEMBA1000774,
	HEMBA1000781,	HEMBA1000789,	HEMBA1000790,	HEMBA1000807,	HEMBA1000810,	HEMBA1000822,
	HEMBA1000826,	HEMBA1000827,	HEMBA1000831,	HEMBA1000835,	HEMBA1000848,	HEMBA1000852,
45	HEMBA1000870,	HEMBA1000883,	HEMBA1000887,	HEMBA1000888,	HEMBA1000890,	HEMBA1000893,
	HEMBA1000908,	HEMBA1000913,	HEMBA1000915,	HEMBA1000917,	HEMBA1000927,	HEMBA1000947,
	HEMBA1000973,	HEMBA1000975,	HEMBA1000985,	HEMBA1000991,	HEMBA1000996,	HEMBA1001004,
	HEMBA1001008,	HEMBA1001011,	HEMBA1001014,	HEMBA1001020,	HEMBA1001024,	HEMBA1001047,
	HEMBA1001051,	HEMBA1001056,	HEMBA1001058,	HEMBA1001060,	HEMBA1001068,	HEMBA1001096,
50	HEMBA1001105,	HEMBA1001112,	HEMBA1001114,	HEMBA1001117,	HEMBA1001119,	HEMBA1001126,
	HEMBA1001133,	HEMBA1001137,	HEMBA1001142,	HEMBA1001151,	HEMBA1001153,	HEMBA1001169,
	HEMBA1001175,	HEMBA1001177,	HEMBA1001182,	HEMBA1001197,	HEMBA1001199,	HEMBA1001208,
	HEMBA1001209,	HEMBA1001210,	HEMBA1001221,	HEMBA1001234,	HEMBA1001242,	HEMBA1001249,
	HEMBA1001253,	HEMBA1001254,	HEMBA1001271,	HEMBA1001282,	HEMBA1001288,	HEMBA1001289,
55	HEMBA1001294,	HEMBA1001302,	HEMBA1001304,	HEMBA1001314,	HEMBA1001315,	HEMBA1001317,
	HEMBA1001331,	HEMBA1001335,	HEMBA1001337,	HEMBA1001339,	HEMBA1001346,	HEMBA1001348,
	HEMBA1001356,	HEMBA1001364,	HEMBA1001366,	HEMBA1001367,	HEMBA1001369,	HEMBA1001384,
	HEMBA1001387,	HEMBA1001394,	HEMBA1001410,	HEMBA1001424,	HEMBA1001426,	HEMBA1001429,

EP 1 074 617 A2

	HEMBB1001436,	HEMBB1001443,	HEMBB1001449,	HEMBB1001458,	HEMBB1001482,	HEMBB1001500,
	HEMBB1001521,	HEMBB1001527,	HEMBB1001531,	HEMBB1001535,	HEMBB1001536,	HEMBB1001537,
	HEMBB1001562,	HEMBB1001564,	HEMBB1001565,	HEMBB1001585,	HEMBB1001588,	HEMBB1001603,
	HEMBB1001618,	HEMBB1001619,	HEMBB1001630,	HEMBB1001635,	HEMBB1001653,	HEMBB1001665,
5	HEMBB1001668,	HEMBB1001673,	HEMBB1001684,	HEMBB1001685,	HEMBB1001695,	HEMBB1001707,
	HEMBB1001735,	HEMBB1001736,	HEMBB1001747,	HEMBB1001749,	HEMBB1001753,	HEMBB1001756,
	HEMBB1001760,	HEMBB1001785,	HEMBB1001797,	HEMBB1001802,	HEMBB1001812,	HEMBB1001816,
	HEMBB1001831,	HEMBB1001834,	HEMBB1001839,	HEMBB1001850,	HEMBB1001863,	HEMBB1001868,
	HEMBB1001869,	HEMBB1001871,	HEMBB1001872,	HEMBB1001874,	HEMBB1001880,	HEMBB1001899,
10	HEMBB1001905,	HEMBB1001906,	HEMBB1001908,	HEMBB1001910,	HEMBB1001911,	HEMBB1001915,
	HEMBB1001921,	HEMBB1001922,	HEMBB1001925,	HEMBB1001930,	HEMBB1001944,	HEMBB1001945,
	HEMBB1001947,	HEMBB1001950,	HEMBB1001952,	HEMBB1001957,	HEMBB1001962,	HEMBB1001967,
	HEMBB1001983,	HEMBB1001990,	HEMBB1001996,	HEMBB1002002,	HEMBB1002005,	HEMBB1002042,
	HEMBB1002043,	HEMBB1002044,	HEMBB1002045,	HEMBB1002049,	HEMBB1002050,	HEMBB1002068,
15	HEMBB1002092,	HEMBB1002134,	HEMBB1002139,	HEMBB1002142,	HEMBB1002152,	HEMBB1002190,
	HEMBB1002193,	HEMBB1002217,	HEMBB1002218,	HEMBB1002232,	HEMBB1002247,	HEMBB1002249,
	HEMBB1002266,	HEMBB1002280,	HEMBB1002300,	HEMBB1002327,	HEMBB1002329,	HEMBB1002342,
	HEMBB1002358,	HEMBB1002359,	HEMBB1002371,	HEMBB1002381,	HEMBB1002383,	HEMBB1002387,
	HEMBB1002409,	HEMBB1002415,	HEMBB1002425,	HEMBB1002442,	HEMBB1002453,	HEMBB1002457,
20	HEMBB1002458,	HEMBB1002477,	HEMBB1002489,	HEMBB1002492,	HEMBB1002495,	HEMBB1002502,
	HEMBB1002510,	HEMBB1002520,	HEMBB1002522,	HEMBB1002534,	HEMBB1002545,	HEMBB1002550,
	HEMBB1002579,	HEMBB1002582,	HEMBB1002596,	HEMBB1002600,	HEMBB1002603,	HEMBB1002607,
	HEMBB1002610,	HEMBB1002613,	HEMBB1002617,	HEMBB1002623,	HEMBB1002635,	HEMBB1002677,
	HEMBB1002683,	HEMBB1002684,	HEMBB1002692,	HEMBB1002697,	HEMBB1002699,	HEMBB1002702,
25	HEMBB1002705,	MAMMA1000009,	MAMMA1000019,	MAMMA1000020,	MAMMA1000025,	MAMMA1000043,
	MAMMA1000045,	MAMMA1000055,	MAMMA1000057,	MAMMA1000069,	MAMMA1000084,	MAMMA1000085,
	MAMMA1000092,	MAMMA1000103,	MAMMA1000117,	MAMMA1000129,	MAMMA1000133,	MAMMA1000139,
	MAMMA1000143,	MAMMA1000155,	MAMMA1000163,	MAMMA1000171,	MAMMA1000173,	MAMMA1000175,
	MAMMA1000183,	MAMMA1000198,	MAMMA1000227,	MAMMA1000241,	MAMMA1000251,	MAMMA1000254,
30	MAMMA1000257,	MAMMA1000264,	MAMMA1000266,	MAMMA1000270,	MAMMA1000277,	MAMMA1000278,
	MAMMA1000279,	MAMMA1000284,	MAMMA1000287,	MAMMA1000307,	MAMMA1000309,	MAMMA1000312,
	MAMMA1000313,	MAMMA1000331,	MAMMA1000339,	MAMMA1000340,	MAMMA1000348,	MAMMA1000356,
	MAMMA1000360,	MAMMA1000361,	MAMMA1000372,	MAMMA1000388,	MAMMA1000395,	MAMMA1000402,
	MAMMA1000410,	MAMMA1000414,	MAMMA1000416,	MAMMA1000421,	MAMMA1000422,	MAMMA1000431,
35	MAMMA1000444,	MAMMA1000458,	MAMMA1000468,	MAMMA1000472,	MAMMA1000490,	MAMMA1000500,
	MAMMA1000522,	MAMMA1000524,	MAMMA1000559,	MAMMA1000567,	MAMMA1000576,	MAMMA1000583,
	MAMMA1000594,	MAMMA1000605,	MAMMA1000612,	MAMMA1000616,	MAMMA1000623,	MAMMA1000625,
	MAMMA1000643,	MAMMA1000664,	MAMMA1000670,	MAMMA1000672,	MAMMA1000684,	MAMMA1000696,
	MAMMA1000707,	MAMMA1000713,	MAMMA1000714,	MAMMA1000720,	MAMMA1000731,	MAMMA1000734,
40	MAMMA1000738,	MAMMA1000744,	MAMMA1000746,	MAMMA1000752,	MAMMA1000760,	MAMMA1000761,
	MAMMA1000775,	MAMMA1000776,	MAMMA1000778,	MAMMA1000798,	MAMMA1000802,	MAMMA1000824,
	MAMMA1000831,	MAMMA1000839,	MAMMA1000841,	MAMMA1000842,	MAMMA1000843,	MAMMA1000851,
	MAMMA1000855,	MAMMA1000856,	MAMMA1000859,	MAMMA1000863,	MAMMA1000865,	MAMMA1000867,
	MAMMA1000875,	MAMMA1000876,	MAMMA1000880,	MAMMA1000883,	MAMMA1000897,	MAMMA1000906,
45	MAMMA1000908,	MAMMA1000914,	MAMMA1000921,	MAMMA1000931,	MAMMA1000940,	MAMMA1000941,
	MAMMA1000956,	MAMMA1000957,	MAMMA1000962,	MAMMA1000968,	MAMMA1000975,	MAMMA1000979,
	MAMMA1000987,	MAMMA1001003,	MAMMA1001008,	MAMMA1001021,	MAMMA1001030,	MAMMA1001038,
	MAMMA1001041,	MAMMA1001059,	MAMMA1001073,	MAMMA1001075,	MAMMA1001078,	MAMMA1001080,
	MAMMA1001082,	MAMMA1001091,	MAMMA1001105,	MAMMA1001110,	MAMMA1001126,	MAMMA1001139,
50	MAMMA1001143,	MAMMA1001154,	MAMMA1001162,	MAMMA1001181,	MAMMA1001186,	MAMMA1001191,
	MAMMA1001198,	MAMMA1001202,	MAMMA1001206,	MAMMA1001215,	MAMMA1001220,	MAMMA1001222,
	MAMMA1001243,	MAMMA1001244,	MAMMA1001249,	MAMMA1001252,	MAMMA1001256,	MAMMA1001259,
	MAMMA1001260,	MAMMA1001268,	MAMMA1001271,	MAMMA1001274,	MAMMA1001292,	MAMMA1001296,
	MAMMA1001305,	MAMMA1001322,	MAMMA1001324,	MAMMA1001341,	MAMMA1001343,	MAMMA1001388,
55	MAMMA1001397,	MAMMA1001408,	MAMMA1001411,	MAMMA1001419,	MAMMA1001420,	MAMMA1001442,
	MAMMA1001452,	MAMMA1001465,	MAMMA1001476,	MAMMA1001487,	MAMMA1001501,	MAMMA1001502,
	MAMMA1001510,	MAMMA1001522,	MAMMA1001547,	MAMMA1001551,	MAMMA1001575,	MAMMA1001576,
	MAMMA1001590,	MAMMA1001600,	MAMMA1001604,	MAMMA1001606,	MAMMA1001620,	MAMMA1001627,

EP 1 074 617 A2

	MAMMA1001630,	MAMMA1001633,	MAMMA1001635,	MAMMA1001649,	MAMMA1001663,	MAMMA1001670,
	MAMMA1001671,	MAMMA1001679,	MAMMA1001683,	MAMMA1001686,	MAMMA1001692,	MAMMA1001711,
	MAMMA1001715,	MAMMA1001730,	MAMMA1001735,	MAMMA1001743,	MAMMA1001744,	MAMMA1001745,
	MAMMA1001751,	MAMMA1001754,	MAMMA1001757,	MAMMA1001760,	MAMMA1001764,	MAMMA1001768,
5	MAMMA1001769,	MAMMA1001771,	MAMMA1001783,	MAMMA1001785,	MAMMA1001788,	MAMMA1001790,
	MAMMA1001806,	MAMMA1001812,	MAMMA1001815,	MAMMA1001817,	MAMMA1001818,	MAMMA1001820,
	MAMMA1001824,	MAMMA1001837,	MAMMA1001848,	MAMMA1001851,	MAMMA1001854,	MAMMA1001858,
	MAMMA1001864,	MAMMA1001868,	MAMMA1001874,	MAMMA1001878,	MAMMA1001890,	MAMMA1001907,
	MAMMA1001908,	MAMMA1001931,	MAMMA1001956,	MAMMA1001969,	MAMMA1001970,	MAMMA1002009,
10	MAMMA1002011,	MAMMA1002032,	MAMMA1002033,	MAMMA1002041,	MAMMA1002042,	MAMMA1002047,
	MAMMA1002056,	MAMMA1002058,	MAMMA1002068,	MAMMA1002078,	MAMMA1002082,	MAMMA1002084,
	MAMMA1002093,	MAMMA1002094,	MAMMA1002118,	MAMMA1002125,	MAMMA1002132,	MAMMA1002140,
	MAMMA1002143,	MAMMA1002145,	MAMMA1002153,	MAMMA1002155,	MAMMA1002156,	MAMMA1002170,
	MAMMA1002174,	MAMMA1002198,	MAMMA1002209,	MAMMA1002215,	MAMMA1002219,	MAMMA1002230,
15	MAMMA1002236,	MAMMA1002243,	MAMMA1002250,	MAMMA1002268,	MAMMA1002269,	MAMMA1002282,
	MAMMA1002292,	MAMMA1002293,	MAMMA1002294,	MAMMA1002297,	MAMMA1002298,	MAMMA1002299,
	MAMMA1002308,	MAMMA1002310,	MAMMA1002311,	MAMMA1002312,	MAMMA1002317,	MAMMA1002319,
	MAMMA1002322,	MAMMA1002329,	MAMMA1002333,	MAMMA1002339,	MAMMA1002351,	MAMMA1002352,
	MAMMA1002353,	MAMMA1002355,	MAMMA1002356,	MAMMA1002359,	MAMMA1002360,	MAMMA1002362,
20	MAMMA1002380,	MAMMA1002384,	MAMMA1002385,	MAMMA1002392,	MAMMA1002411,	MAMMA1002413,
	MAMMA1002417,	MAMMA1002427,	MAMMA1002428,	MAMMA1002434,	MAMMA1002446,	MAMMA1002454,
	MAMMA1002461,	MAMMA1002470,	MAMMA1002475,	MAMMA1002485,	MAMMA1002494,	MAMMA1002498,
	MAMMA1002524,	MAMMA1002530,	MAMMA1002545,	MAMMA1002554,	MAMMA1002556,	MAMMA1002566,
	MAMMA1002571,	MAMMA1002573,	MAMMA1002585,	MAMMA1002590,	MAMMA1002597,	MAMMA1002598,
25	MAMMA1002612,	MAMMA1002617,	MAMMA1002618,	MAMMA1002619,	MAMMA1002622,	MAMMA1002636,
	MAMMA1002637,	MAMMA1002646,	MAMMA1002650,	MAMMA1002655,	MAMMA1002665,	MAMMA1002671,
	MAMMA1002673,	MAMMA1002684,	MAMMA1002699,	MAMMA1002708,	MAMMA1002711,	MAMMA1002721,
	MAMMA1002727,	MAMMA1002728,	MAMMA1002744,	MAMMA1002748,	MAMMA1002758,	MAMMA1002764,
	MAMMA1002765,	MAMMA1002769,	MAMMA1002775,	MAMMA1002780,	MAMMA1002782,	MAMMA1002796,
30	MAMMA1002807,	MAMMA1002820,	MAMMA1002830,	MAMMA1002833,	MAMMA1002838,	MAMMA1002842,
	MAMMA1002843,	MAMMA1002844,	MAMMA1002858,	MAMMA1002868,	MAMMA1002869,	MAMMA1002880,
	MAMMA1002881,	MAMMA1002886,	MAMMA1002890,	MAMMA1002892,	MAMMA1002895,	MAMMA1002909,
	MAMMA1002937,	MAMMA1002938,	MAMMA1002941,	MAMMA1002947,	MAMMA1002964,	MAMMA1002972,
	MAMMA1002973,	MAMMA1002987,	MAMMA1003003,	MAMMA1003004,	MAMMA1003011,	MAMMA1003013,
35	MAMMA1003015,	MAMMA1003019,	MAMMA1003026,	MAMMA1003031,	MAMMA1003035,	MAMMA1003039,
	MAMMA1003044,	MAMMA1003047,	MAMMA1003049,	MAMMA1003056,	MAMMA1003057,	MAMMA1003066,
	MAMMA1003089,	MAMMA1003099,	MAMMA1003104,	MAMMA1003113,	MAMMA1003127,	MAMMA1003135,
	MAMMA1003146,	MAMMA1003150,	MAMMA1003166,	NT2RM1000001,	NT2RM1000018,	NT2RM1000032,
	NT2RM1000035,	NT2RM1000037,	NT2RM1000039,	NT2RM1000055,	NT2RM1000059,	NT2RM1000062,
40	NT2RM1000080,	NT2RM1000086,	NT2RM1000092,	NT2RM1000118,	NT2RM1000119,	NT2RM1000127,
	NT2RM1000131,	NT2RM1000132,	NT2RM1000153,	NT2RM1000186,	NT2RM1000187,	NT2RM1000199,
	NT2RM1000242,	NT2RM1000244,	NT2RM1000252,	NT2RM1000256,	NT2RM1000257,	NT2RM1000260,
	NT2RM1000271,	NT2RM1000272,	NT2RM1000280,	NT2RM1000300,	NT2RM1000314,	NT2RM1000341,
	NT2RM1000354,	NT2RM1000355,	NT2RM1000365,	NT2RM1000377,	NT2RM1000388,	NT2RM1000399,
45	NT2RM1000421,	NT2RM1000430,	NT2RM1000499,	NT2RM1000539,	NT2RM1000553,	NT2RM1000555,
	NT2RM1000563,	NT2RM1000623,	NT2RM1000648,	NT2RM1000661,	NT2RM1000666,	NT2RM1000669,
	NT2RM1000672,	NT2RM1000691,				
	NT2RM1000699,	NT2RM1000702,	NT2RM1000741,	NT2RM1000742,	NT2RM1000746,	NT2RM1000770,
	NT2RM1000772,	NT2RM1000780,	NT2RM1000781,	NT2RM1000800,	NT2RM1000802,	NT2RM1000811,
50	NT2RM1000826,	NT2RM1000829,	NT2RM1000833,	NT2RM1000850,	NT2RM1000852,	NT2RM1000857,
	NT2RM1000867,	NT2RM1000874,	NT2RM1000882,	NT2RM1000883,	NT2RM1000885,	NT2RM1000894,
	NT2RM1000898,	NT2RM1000905,	NT2RM1000924,	NT2RM1000927,	NT2RM1000962,	NT2RM1000978,
	NT2RM1001003,	NT2RM1001008,	NT2RM1001043,	NT2RM1001044,	NT2RM1001059,	NT2RM1001066,
	NT2RM1001072,	NT2RM1001074,	NT2RM1001082,	NT2RM1001085,	NT2RM1001092,	NT2RM1001102,
55	NT2RM1001105,	NT2RM1001112,	NT2RM1001115,	NT2RM1001139,	NT2RM2000006,	NT2RM2000013,
	NT2RM2000030,	NT2RM2000032,	NT2RM2000042,	NT2RM2000092,	NT2RM2000093,	NT2RM2000101,
	NT2RM2000191,	NT2RM2000192,	NT2RM2000239,	NT2RM2000250,	NT2RM2000259,	NT2RM2000260,
	NT2RM2000287,	NT2RM2000322,	NT2RM2000359,	NT2RM2000363,	NT2RM2000368,	NT2RM2000371,

EP 1 074 617 A2

	NT2RM2000374,	NT2RM2000395,	NT2RM2000402,	NT2RM2000407,	NT2RM2000420,	NT2RM2000422,
	NT2RM2000452,	NT2RM2000469,	NT2RM2000490,	NT2RM2000502,	NT2RM2000504,	NT2RM2000522,
	NT2RM2000540,	NT2RM2000566,	NT2RM2000567,	NT2RM2000569,	NT2RM2000577,	NT2RM2000581,
	NT2RM2000588,	NT2RM2000594,	NT2RM2000599,	NT2RM2000609,	NT2RM2000612,	NT2RM2000624,
5	NT2RM2000635,	NT2RM2000636,	NT2RM2000639,	NT2RM2000649,	NT2RM2000669,	NT2RM2000691,
	NT2RM2000714,	NT2RM2000718,	NT2RM2000735,	NT2RM2000740,	NT2RM2000795,	NT2RM2000821,
	NT2RM2000837,	NT2RM2000951,	NT2RM2000952,	NT2RM2000984,	NT2RM2001004,	NT2RM2001035,
	NT2RM2001065,	NT2RM2001100,	NT2RM2001105,	NT2RM2001131,	NT2RM2001141,	NT2RM2001152,
	NT2RM2001177,	NT2RM2001194,	NT2RM2001196,	NT2RM2001201,	NT2RM2001221,	NT2RM2001238,
10	NT2RM2001243,	NT2RM2001247,	NT2RM2001256,	NT2RM2001291,	NT2RM2001306,	NT2RM2001312,
	NT2RM2001319,	NT2RM2001324,	NT2RM2001345,	NT2RM2001360,	NT2RM2001370,	NT2RM2001393,
	NT2RM2001420,	NT2RM2001424,	NT2RM2001499,	NT2RM2001504,	NT2RM2001524,	NT2RM2001544,
	NT2RM2001547,	NT2RM2001575,	NT2RM2001582,	NT2RM2001588,	NT2RM2001592,	NT2RM2001605,
	NT2RM2001613,	NT2RM2001632,	NT2RM2001635,	NT2RM2001637,	NT2RM2001641,	NT2RM2001648,
15	NT2RM2001652,	NT2RM2001659,	NT2RM2001664,	NT2RM2001668,	NT2RM2001670,	NT2RM2001671,
	NT2RM2001675,	NT2RM2001681,	NT2RM2001688,	NT2RM2001695,	NT2RM2001696,	NT2RM2001698,
	NT2RM2001699,	NT2RM2001700,	NT2RM2001706,	NT2RM2001716,	NT2RM2001718,	NT2RM2001723,
	NT2RM2001727,	NT2RM2001730,	NT2RM2001743,	NT2RM2001753,	NT2RM2001760,	NT2RM2001768,
	NT2RM2001771,	NT2RM2001782,	NT2RM2001784,	NT2RM2001785,	NT2RM2001797,	NT2RM2001803,
20	NT2RM2001805,	NT2RM2001813,	NT2RM2001823,	NT2RM2001839,	NT2RM2001840,	NT2RM2001855,
	NT2RM2001867,	NT2RM2001879,	NT2RM2001886,	NT2RM2001896,	NT2RM2001903,	NT2RM2001930,
	NT2RM2001935,	NT2RM2001936,	NT2RM2001950,	NT2RM2001982,	NT2RM2001983,	NT2RM2001989,
	NT2RM2001997,	NT2RM2001998,	NT2RM2002004,	NT2RM2002014,	NT2RM2002030,	NT2RM2002049,
	NT2RM2002055,	NT2RM2002088,	NT2RM2002091,	NT2RM2002100,	NT2RM2002109,	NT2RM2002128,
25	NT2RM2002142,	NT2RM2002145,	NT2RM2002178,	NT2RM4000024,	NT2RM4000027,	NT2RM4000030,
	NT2RM4000046,	NT2RM4000061,	NT2RM4000086,	NT2RM4000104,	NT2RM4000139,	NT2RM4000155,
	NT2RM4000156,	NT2RM4000167,	NT2RM4000169,	NT2RM4000191,	NT2RM4000197,	NT2RM4000199,
	NT2RM4000200,	NT2RM4000202,	NT2RM4000210,	NT2RM4000215,	NT2RM4000229,	NT2RM4000233,
	NT2RM4000244,	NT2RM4000251,	NT2RM4000265,	NT2RM4000290,	NT2RM4000324,	NT2RM4000327,
30	NT2RM4000344,	NT2RM4000349,	NT2RM4000354,	NT2RM4000356,	NT2RM4000386,	NT2RM4000395,
	NT2RM4000414,	NT2RM4000421,	NT2RM4000425,	NT2RM4000433,	NT2RM4000457,	NT2RM4000471,
	NT2RM4000486,	NT2RM4000496,	NT2RM4000511,	NT2RM4000514,	NT2RM4000515,	NT2RM4000520,
	NT2RM4000531,	NT2RM4000532,	NT2RM4000534,	NT2RM4000585,	NT2RM4000590,	NT2RM4000595,
	NT2RM4000603,	NT2RM4000611,	NT2RM4000616,	NT2RM4000634,	NT2RM4000657,	NT2RM4000674,
35	NT2RM4000689,	NT2RM4000698,	NT2RM4000700,	NT2RM4000712,	NT2RM4000717,	NT2RM4000733,
	NT2RM4000734,	NT2RM4000741,	NT2RM4000751,	NT2RM4000764,	NT2RM4000778,	NT2RM4000783,
	NT2RM4000787,	NT2RM4000790,	NT2RM4000795,	NT2RM4000796,	NT2RM4000798,	NT2RM4000813,
	NT2RM4000820,	NT2RM4000833,	NT2RM4000848,	NT2RM4000852,	NT2RM4000855,	NT2RM4000857,
	NT2RM4000887,	NT2RM4000895,	NT2RM4000950,	NT2RM4000971,	NT2RM4000979,	NT2RM4000996,
40	NT2RM4001002,	NT2RM4001032,	NT2RM4001047,	NT2RM4001054,	NT2RM4001084,	NT2RM4001092,
	NT2RM4001116,	NT2RM4001140,	NT2RM4001151,	NT2RM4001155,	NT2RM4001160,	NT2RM4001178,
	NT2RM4001187,	NT2RM4001191,	NT2RM4001200,	NT2RM4001203,	NT2RM4001204,	NT2RM4001217,
	NT2RM4001256,	NT2RM4001258,	NT2RM4001309,	NT2RM4001313,	NT2RM4001316,	NT2RM4001320,
	NT2RM4001340,	NT2RM4001344,	NT2RM4001347,	NT2RM4001371,	NT2RM4001382,	NT2RM4001384,
45	NT2RM4001410,	NT2RM4001411,	NT2RM4001412,	NT2RM4001414,	NT2RM4001437,	NT2RM4001444,
	NT2RM4001454,	NT2RM4001455,	NT2RM4001483,	NT2RM4001489,	NT2RM4001522,	NT2RM4001557,
	NT2RM4001565,	NT2RM4001566,	NT2RM4001569,	NT2RM4001582,	NT2RM4001592,	NT2RM4001594,
	NT2RM4001597,	NT2RM4001611,	NT2RM4001629,	NT2RM4001650,	NT2RM4001662,	NT2RM4001666,
	NT2RM4001682,	NT2RM4001710,	NT2RM4001714,	NT2RM4001715,	NT2RM4001731,	NT2RM4001746,
50	NT2RM4001754,	NT2RM4001758,	NT2RM4001783,	NT2RM4001810,	NT2RM4001813,	NT2RM4001819,
	NT2RM4001823,	NT2RM4001828,	NT2RM4001836,	NT2RM4001841,	NT2RM4001842,	NT2RM4001856,
	NT2RM4001858,	NT2RM4001865,	NT2RM4001876,	NT2RM4001880,	NT2RM4001905,	NT2RM4001922,
	NT2RM4001930,	NT2RM4001938,	NT2RM4001940,	NT2RM4001953,	NT2RM4001965,	NT2RM4001969,
	NT2RM4001979,	NT2RM4001984,	NT2RM4001987,	NT2RM4002013,	NT2RM4002018,	NT2RM4002034,
55	NT2RM4002044,	NT2RM4002054,	NT2RM4002062,	NT2RM4002063,	NT2RM4002066,	NT2RM4002073,
	NT2RM4002075,	NT2RM4002093,	NT2RM4002109,	NT2RM4002128,	NT2RM4002140,	NT2RM4002145,
	NT2RM4002146,	NT2RM4002161,	NT2RM4002174,	NT2RM4002189,	NT2RM4002194,	NT2RM4002205,
	NT2RM4002213,	NT2RM4002226,	NT2RM4002251,	NT2RM4002256,	NT2RM4002266,	NT2RM4002281,

## EP 1 074 617 A2

	NT2RM4002287,	NT2RM4002294,	NT2RM4002301,	NT2RM4002323,	NT2RM4002339,	NT2RM4002344,
	NT2RM4002373,	NT2RM4002374,	NT2RM4002383,	NT2RM4002390,	NT2RM4002398,	NT2RM4002409,
	NT2RM4002420,	NT2RM4002438,	NT2RM4002446,	NT2RM4002452,	NT2RM4002457,	NT2RM4002460,
	NT2RM4002493,	NT2RM4002504,	NT2RM4002527,	NT2RM4002532,	NT2RM4002534,	NT2RM4002558,
5	NT2RM4002565,	NT2RM4002567,	NT2RM4002571,	NT2RM4002593,	NT2RM4002594,	NT2RM4002623,
	NT2RP1000018,	NT2RP1000035,	NT2RP1000040,	NT2RP1000063,	NT2RP1000086,	NT2RP1000101,
	NT2RP1000111,	NT2RP1000112,	NT2RP1000124,	NT2RP1000130,	NT2RP1000163,	NT2RP1000170,
	NT2RP1000191,	NT2RP1000202,	NT2RP1000243,	NT2RP1000259,	NT2RP1000272,	NT2RP1000324,
	NT2RP1000326,	NT2RP1000333,	NT2RP1000348,	NT2RP1000357,	NT2RP1000358,	NT2RP1000363,
10	NT2RP1000376,	NT2RP1000409,	NT2RP1000413,	NT2RP1000416,	NT2RP1000418,	NT2RP1000439,
	NT2RP1000443,	NT2RP1000460,	NT2RP1000470,	NT2RP1000478,	NT2RP1000481,	NT2RP1000493,
	NT2RP1000513,	NT2RP1000522,	NT2RP1000547,	NT2RP1000574,	NT2RP1000581,	NT2RP1000609,
	NT2RP1000630,	NT2RP1000677,	NT2RP1000688,	NT2RP1000695,	NT2RP1000701,	NT2RP1000721,
	NT2RP1000730,	NT2RP1000733,	NT2RP1000738,	NT2RP1000746,	NT2RP1000767,	NT2RP1000782,
15	NT2RP1000796,	NT2RP1000825,	NT2RP1000833,	NT2RP1000834,	NT2RP1000836,	NT2RP1000846,
	NT2RP1000851,	NT2RP1000856,	NT2RP1000860,	NT2RP1000902,	NT2RP1000915,	NT2RP1000916,
	NT2RP1000943,	NT2RP1000944,	NT2RP1000947,	NT2RP1000954,	NT2RP1000958,	NT2RP1000959,
	NT2RP1000966,	NT2RP1000980,	NT2RP1000988,	NT2RP1001011,	NT2RP1001013,	NT2RP1001014,
	NT2RP1001033,	NT2RP1001073,	NT2RP1001079,	NT2RP1001080,	NT2RP1001113,	NT2RP1001173,
20	NT2RP1001177,	NT2RP1001185,	NT2RP1001199,	NT2RP1001247,	NT2RP1001248,	NT2RP1001253,
	NT2RP1001286,	NT2RP1001294,	NT2RP1001302,	NT2RP1001310,	NT2RP1001311,	NT2RP1001313,
	NT2RP1001361,	NT2RP1001385,	NT2RP1001395,	NT2RP1001410,	NT2RP1001424,	NT2RP1001432,
	NT2RP1001449,	NT2RP1001457,	NT2RP1001466,	NT2RP1001475,	NT2RP1001482,	NT2RP1001494,
	NT2RP1001543,	NT2RP1001546,	NT2RP1001569,	NT2RP1001616,	NT2RP1001665,	NT2RP2000001,
25	NT2RP2000006,	NT2RP2000007,	NT2RP2000008,	NT2RP2000027,	NT2RP2000032,	NT2RP2000040,
	NT2RP2000045,	NT2RP2000054,	NT2RP2000056,	NT2RP2000067,	NT2RP2000070,	NT2RP2000076,
	NT2RP2000079,	NT2RP2000088,	NT2RP2000091,	NT2RP2000097,	NT2RP2000098,	NT2RP2000108,
	NT2RP2000114,	NT2RP2000120,	NT2RP2000126,	NT2RP2000133,	NT2RP2000147,	NT2RP2000153,
	NT2RP2000157,	NT2RP2000161,	NT2RP2000173,	NT2RP2000175,	NT2RP2000183,	NT2RP2000195,
30	NT2RP2000198,	NT2RP2000205,	NT2RP2000208,	NT2RP2000224,	NT2RP2000232,	NT2RP2000233,
	NT2RP2000239,	NT2RP2000248,	NT2RP2000257,	NT2RP2000258,	NT2RP2000270,	NT2RP2000274,
	NT2RP2000283,	NT2RP2000288,	NT2RP2000289,	NT2RP2000297,	NT2RP2000298,	NT2RP2000310,
	NT2RP2000327,	NT2RP2000328,	NT2RP2000329,	NT2RP2000337,	NT2RP2000346,	NT2RP2000369,
	NT2RP2000412,	NT2RP2000414,	NT2RP2000420,	NT2RP2000422,	NT2RP2000438,	NT2RP2000448,
35	NT2RP2000459,	NT2RP2000498,	NT2RP2000503,	NT2RP2000510,	NT2RP2000516,	NT2RP2000523,
	NT2RP2000551,	NT2RP2000603,	NT2RP2000617,	NT2RP2000634,	NT2RP2000644,	NT2RP2000656,
	NT2RP2000658,	NT2RP2000660,	NT2RP2000668,	NT2RP2000678,	NT2RP2000704,	NT2RP2000710,
	NT2RP2000715,	NT2RP2000758,	NT2RP2000764,	NT2RP2000809,	NT2RP2000812,	NT2RP2000814,
	NT2RP2000816,	NT2RP2000819,	NT2RP2000841,	NT2RP2000842,	NT2RP2000845,	NT2RP2000863,
40	NT2RP2000880,	NT2RP2000892,	NT2RP2000931,	NT2RP2000932,	NT2RP2000938,	NT2RP2000943,
	NT2RP2000965,	NT2RP2000970,	NT2RP2000985,	NT2RP2001036,	NT2RP2001044,	NT2RP2001056,
	NT2RP2001065,	NT2RP2001070,	NT2RP2001081,	NT2RP2001094,	NT2RP2001119,	NT2RP2001127,
	NT2RP2001137,	NT2RP2001149,	NT2RP2001168,	NT2RP2001173,	NT2RP2001174,	NT2RP2001196,
	NT2RP2001214,	NT2RP2001218,	NT2RP2001226,	NT2RP2001233,	NT2RP2001245,	NT2RP2001268,
45	NT2RP2001290,	NT2RP2001295,	NT2RP2001312,	NT2RP2001327,	NT2RP2001328,	NT2RP2001347,
	NT2RP2001366,	NT2RP2001378,	NT2RP2001381,	NT2RP2001392,	NT2RP2001394,	NT2RP2001397,
	NT2RP2001420,	NT2RP2001427,	NT2RP2001440,	NT2RP2001450,	NT2RP2001460,	NT2RP2001467,
	NT2RP2001506,	NT2RP2001511,	NT2RP2001520,	NT2RP2001536,	NT2RP2001560,	NT2RP2001576,
	NT2RP2001581,	NT2RP2001597,	NT2RP2001601,	NT2RP2001613,	NT2RP2001628,	NT2RP2001634,
50	NT2RP2001660,	NT2RP2001663,	NT2RP2001675,	NT2RP2001677,	NT2RP2001678,	NT2RP2001720,
	NT2RP2001721,	NT2RP2001740,	NT2RP2001748,	NT2RP2001756,	NT2RP2001813,	NT2RP2001839,
	NT2RP2001861,	NT2RP2001869,	NT2RP2001876,	NT2RP2001883,	NT2RP2001898,	NT2RP2001900,
	NT2RP2001907,	NT2RP2001936,	NT2RP2001943,	NT2RP2001946,	NT2RP2001947,	NT2RP2001969,
	NT2RP2001976,	NT2RP2001985,	NT2RP2001991,	NT2RP2002025,	NT2RP2002032,	NT2RP2002033,
55	NT2RP2002041,	NT2RP2002046,	NT2RP2002047,	NT2RP2002056,	NT2RP2002058,	NT2RP2002066,
	NT2RP2002070,	NT2RP2002076,	NT2RP2002078,	NT2RP2002079,	NT2RP2002099,	NT2RP2002105,
	NT2RP2002124,	NT2RP2002154,	NT2RP2002172,	NT2RP2002185,	NT2RP2002193,	NT2RP2002208,
	NT2RP2002219,	NT2RP2002231,	NT2RP2002235,	NT2RP2002252,	NT2RP2002256,	NT2RP2002270,

EP 1 074 617 A2

	NT2RP2002292,	NT2RP2002312,	NT2RP2002316,	NT2RP2002325,	NT2RP2002333,	NT2RP2002373,
	NT2RP2002385,	NT2RP2002408,	NT2RP2002426,	NT2RP2002439,	NT2RP2002442,	NT2RP2002464,
	NT2RP2002475,	NT2RP2002479,	NT2RP2002498,	NT2RP2002503,	NT2RP2002520,	NT2RP2002537,
	NT2RP2002546,	NT2RP2002549,	NT2RP2002591,	NT2RP2002595,	NT2RP2002606,	NT2RP2002609,
5	NT2RP2002618,	NT2RP2002621,	NT2RP2002643,	NT2RP2002672,	NT2RP2002677,	NT2RP2002701,
	NT2RP2002706,	NT2RP2002710,	NT2RP2002727,	NT2RP2002736,	NT2RP2002740,	NT2RP2002741,
	NT2RP2002752,	NT2RP2002753,	NT2RP2002755,	NT2RP2002769,	NT2RP2002800,	NT2RP2002843,
	NT2RP2002857,	NT2RP2002862,	NT2RP2002880,	NT2RP2002891,	NT2RP2002928,	NT2RP2002929,
	NT2RP2002939,	NT2RP2002954,	NT2RP2002959,	NT2RP2002979,	NT2RP2002980,	NT2RP2002986,
10	NT2RP2002993,	NT2RP2003000,	NT2RP2003034,	NT2RP2003073,	NT2RP2003099,	NT2RP2003101,
	NT2RP2003108,	NT2RP2003117,	NT2RP2003121,	NT2RP2003125,	NT2RP2003137,	NT2RP2003157,
	NT2RP2003158,	NT2RP2003161,	NT2RP2003164,	NT2RP2003165,	NT2RP2003177,	NT2RP2003194,
	NT2RP2003206,	NT2RP2003228,	NT2RP2003230,	NT2RP2003237,	NT2RP2003243,	NT2RP2003265,
	NT2RP2003272,	NT2RP2003277,	NT2RP2003280,	NT2RP2003286,	NT2RP2003293,	NT2RP2003295,
15	NT2RP2003297,	NT2RP2003307,	NT2RP2003308,	NT2RP2003329,	NT2RP2003339,	NT2RP2003347,
	NT2RP2003367,	NT2RP2003391,	NT2RP2003393,	NT2RP2003394,	NT2RP2003401,	NT2RP2003433,
	NT2RP2003445,	NT2RP2003446,	NT2RP2003456,	NT2RP2003466,	NT2RP2003480,	NT2RP2003506,
	NT2RP2003511,	NT2RP2003513,	NT2RP2003517,	NT2RP2003522,	NT2RP2003533,	NT2RP2003543,
	NT2RP2003559,	NT2RP2003564,	NT2RP2003567,	NT2RP2003581,	NT2RP2003596,	NT2RP2003604,
20	NT2RP2003629,	NT2RP2003643,	NT2RP2003668,	NT2RP2003687,	NT2RP2003691,	NT2RP2003702,
	NT2RP2003704,	NT2RP2003713,	NT2RP2003714,	NT2RP2003727,	NT2RP2003737,	NT2RP2003751,
	NT2RP2003760,	NT2RP2003764,	NT2RP2003769,	NT2RP2003777,	NT2RP2003781,	NT2RP2003793,
	NT2RP2003799,	NT2RP2003825,	NT2RP2003840,	NT2RP2003857,	NT2RP2003871,	NT2RP2003885,
	NT2RP2003912,	NT2RP2003952,	NT2RP2003976,	NT2RP2003981,	NT2RP2003984,	NT2RP2003986,
25	NT2RP2003988,	NT2RP2004013,	NT2RP2004041,	NT2RP2004042,	NT2RP2004066,	NT2RP2004081,
	NT2RP2004095,	NT2RP2004098,	NT2RP2004124,	NT2RP2004142,	NT2RP2004152,	NT2RP2004165,
	NT2RP2004170,	NT2RP2004187,	NT2RP2004194,	NT2RP2004207,	NT2RP2004226,	NT2RP2004232,
	NT2RP2004239,	NT2RP2004242,	NT2RP2004245,	NT2RP2004270,	NT2RP2004300,	NT2RP2004316,
	NT2RP2004321,	NT2RP2004339,	NT2RP2004347,	NT2RP2004364,	NT2RP2004365,	NT2RP2004366,
30	NT2RP2004373,	NT2RP2004389,	NT2RP2004392,	NT2RP2004396,	NT2RP2004399,	NT2RP2004400,
	NT2RP2004412,	NT2RP2004425,	NT2RP2004463,	NT2RP2004476,	NT2RP2004490,	NT2RP2004523,
	NT2RP2004538,	NT2RP2004551,	NT2RP2004568,	NT2RP2004580,	NT2RP2004587,	NT2RP2004594,
	NT2RP2004600,	NT2RP2004602,	NT2RP2004614,	NT2RP2004655,	NT2RP2004664,	NT2RP2004675,
	NT2RP2004681,	NT2RP2004689,	NT2RP2004709,	NT2RP2004710,	NT2RP2004732,	NT2RP2004743,
35	NT2RP2004767,	NT2RP2004768,	NT2RP2004775,	NT2RP2004791,	NT2RP2004799,	NT2RP2004802,
	NT2RP2004816,	NT2RP2004841,	NT2RP2004861,	NT2RP2004897,	NT2RP2004920,	NT2RP2004933,
	NT2RP2004936,	NT2RP2004959,	NT2RP2004961,	NT2RP2004962,	NT2RP2004978,	NT2RP2004982,
	NT2RP2004999,	NT2RP2005000,	NT2RP2005001,	NT2RP2005003,	NT2RP2005012,	NT2RP2005018,
	NT2RP2005020,	NT2RP2005022,	NT2RP2005031,	NT2RP2005037,	NT2RP2005038,	NT2RP2005116,
40	NT2RP2005126,	NT2RP2005139,	NT2RP2005140,	NT2RP2005144,	NT2RP2005147,	NT2RP2005159,
	NT2RP2005162,	NT2RP2005168,	NT2RP2005204,	NT2RP2005227,	NT2RP2005239,	NT2RP2005254,
	NT2RP2005270,	NT2RP2005276,	NT2RP2005287,	NT2RP2005288,	NT2RP2005293,	NT2RP2005315,
	NT2RP2005325,	NT2RP2005336,	NT2RP2005344,	NT2RP2005358,	NT2RP2005360,	NT2RP2005393,
	NT2RP2005407,	NT2RP2005436,	NT2RP2005441,	NT2RP2005453,	NT2RP2005454,	NT2RP2005457,
45	NT2RP2005464,	NT2RP2005465,	NT2RP2005472,	NT2RP2005476,	NT2RP2005490,	NT2RP2005491,
	NT2RP2005495,	NT2RP2005496,	NT2RP2005498,	NT2RP2005501,	NT2RP2005509,	NT2RP2005520,
	NT2RP2005525,	NT2RP2005531,	NT2RP2005539,	NT2RP2005540,	NT2RP2005549,	NT2RP2005555,
	NT2RP2005557,	NT2RP2005600,	NT2RP2005605,	NT2RP2005620,	NT2RP2005622,	NT2RP2005635,
	NT2RP2005637,	NT2RP2005640,	NT2RP2005645,	NT2RP2005654,	NT2RP2005669,	NT2RP2005675,
50	NT2RP2005683,	NT2RP2005690,	NT2RP2005694,	NT2RP2005701,	NT2RP2005712,	NT2RP2005719,
	NT2RP2005722,	NT2RP2005723,	NT2RP2005726,	NT2RP2005732,	NT2RP2005741,	NT2RP2005748,
	NT2RP2005752,	NT2RP2005753,	NT2RP2005763,	NT2RP2005767,	NT2RP2005773,	NT2RP2005775,
	NT2RP2005776,	NT2RP2005781,	NT2RP2005784,	NT2RP2005804,	NT2RP2005806,	NT2RP2005812,
	NT2RP2005815,	NT2RP2005835,	NT2RP2005841,	NT2RP2005853,	NT2RP2005859,	NT2RP2005868,
55	NT2RP2005882,	NT2RP2005886,	NT2RP2005890,	NT2RP2005901,	NT2RP2005933,	NT2RP2005942,
	NT2RP2005980,	NT2RP2006023,	NT2RP2006038,	NT2RP2006043,	NT2RP2006052,	NT2RP2006069,
	NT2RP2006071,	NT2RP2006100,	NT2RP2006103,	NT2RP2006106,	NT2RP2006141,	NT2RP2006166,
	NT2RP2006184,	NT2RP2006186,	NT2RP2006196,	NT2RP2006200,	NT2RP2006219,	NT2RP2006237,



## EP 1 074 617 A2

	NT2RP2006238,	NT2RP2006258,	NT2RP2006261,	NT2RP2006275,	NT2RP2006312,	NT2RP2006321,
	NT2RP2006333,	NT2RP2006334,	NT2RP2006365,	NT2RP2006393,	NT2RP2006436,	NT2RP2006441,
	NT2RP2006454,	NT2RP2006456,	NT2RP2006464,	NT2RP2006467,	NT2RP2006472,	NT2RP2006534,
	NT2RP2006554,	NT2RP2006565,	NT2RP2006571,	NT2RP2006573,	NT2RP2006598,	NT2RP3000002,
5	NT2RP3000031,	NT2RP3000046,	NT2RP3000047,	NT2RP3000050,	NT2RP3000055,	NT2RP3000068,
	NT2RP3000072,	NT2RP3000080,	NT2RP3000085,	NT2RP3000092,	NT2RP3000109,	NT2RP3000134,
	NT2RP3000142,	NT2RP3000149,	NT2RP3000197,	NT2RP3000207,	NT2RP3000220,	NT2RP3000233,
	NT2RP3000235,	NT2RP3000247,	NT2RP3000251,	NT2RP3000252,	NT2RP3000267,	NT2RP3000299,
	NT2RP3000312,	NT2RP3000320,	NT2RP3000324,	NT2RP3000333,	NT2RP3000341,	NT2RP3000348,
10	NT2RP3000350,	NT2RP3000359,	NT2RP3000361,	NT2RP3000366,	NT2RP3000393,	NT2RP3000397,
	NT2RP3000403,	NT2RP3000418,	NT2RP3000439,	NT2RP3000441,	NT2RP3000449,	NT2RP3000451,
	NT2RP3000456,	NT2RP3000484,	NT2RP3000487,	NT2RP3000512,	NT2RP3000526,	NT2RP3000527,
	NT2RP3000531,	NT2RP3000542,	NT2RP3000561,	NT2RP3000562,	NT2RP3000578,	NT2RP3000584,
	NT2RP3000590,	NT2RP3000592,	NT2RP3000596,	NT2RP3000599,	NT2RP3000603,	NT2RP3000605,
15	NT2RP3000622,	NT2RP3000624,	NT2RP3000628,	NT2RP3000632,	NT2RP3000644,	NT2RP3000661,
	NT2RP3000665,	NT2RP3000685,	NT2RP3000690,	NT2RP3000736,	NT2RP3000739,	NT2RP3000742,
	NT2RP3000753,	NT2RP3000759,	NT2RP3000825,	NT2RP3000826,	NT2RP3000836,	NT2RP3000841,
	NT2RP3000845,	NT2RP3000850,	NT2RP3000852,	NT2RP3000859,	NT2RP3000865,	NT2RP3000868,
	NT2RP3000869,	NT2RP3000875,	NT2RP3000901,	NT2RP3000917,	NT2RP3000919,	NT2RP3000968,
20	NT2RP3000980,	NT2RP3000994,	NT2RP3001004,	NT2RP3001007,	NT2RP3001055,	NT2RP3001057,
	NT2RP3001081,	NT2RP3001084,	NT2RP3001096,	NT2RP3001107,	NT2RP3001109,	NT2RP3001111,
	NT2RP3001113,	NT2RP3001115,	NT2RP3001116,	NT2RP3001119,	NT2RP3001120,	NT2RP3001126,
	NT2RP3001133,	NT2RP3001140,	NT2RP3001150,	NT2RP3001155,	NT2RP3001176,	NT2RP3001214,
	NT2RP3001216,	NT2RP3001221,	NT2RP3001232,	NT2RP3001236,	NT2RP3001239,	NT2RP3001245,
25	NT2RP3001253,	NT2RP3001260,	NT2RP3001268,	NT2RP3001272,	NT2RP3001274,	NT2RP3001281,
	NT2RP3001282,	NT2RP3001297,	NT2RP3001307,	NT2RP3001318,	NT2RP3001325,	NT2RP3001338,
	NT2RP3001355,	NT2RP3001356,	NT2RP3001374,	NT2RP3001383,	NT2RP3001384,	NT2RP3001392,
	NT2RP3001396,	NT2RP3001398,	NT2RP3001399,	NT2RP3001407,	NT2RP3001420,	NT2RP3001426,
	NT2RP3001427,	NT2RP3001428,	NT2RP3001432,	NT2RP3001447,	NT2RP3001449,	NT2RP3001453,
30	NT2RP3001457,	NT2RP3001459,	NT2RP3001472,	NT2RP3001495,	NT2RP3001497,	NT2RP3001527,
	NT2RP3001529,	NT2RP3001538,	NT2RP3001554,	NT2RP3001580,	NT2RP3001587,	NT2RP3001589,
	NT2RP3001607,	NT2RP3001608,	NT2RP3001621,	NT2RP3001629,	NT2RP3001642,	NT2RP3001646,
	NT2RP3001671,	NT2RP3001672,	NT2RP3001676,	NT2RP3001678,	NT2RP3001679,	NT2RP3001688,
	NT2RP3001690,	NT2RP3001698,	NT2RP3001708,	NT2RP3001712,	NT2RP3001716,	NT2RP3001723,
35	NT2RP3001724,	NT2RP3001727,	NT2RP3001730,	NT2RP3001739,	NT2RP3001752,	NT2RP3001777,
	NT2RP3001792,	NT2RP3001799,	NT2RP3001819,	NT2RP3001844,	NT2RP3001854,	NT2RP3001855,
	NT2RP3001857,	NT2RP3001896,	NT2RP3001898,	NT2RP3001915,	NT2RP3001929,	NT2RP3001931,
	NT2RP3001938,	NT2RP3001943,	NT2RP3001944,	NT2RP3001969,	NT2RP3002002,	NT2RP3002004,
	NT2RP3002007,	NT2RP3002014,	NT2RP3002033,	NT2RP3002045,	NT2RP3002054,	NT2RP3002056,
40	NT2RP3002062,	NT2RP3002063,	NT2RP3002081,	NT2RP3002097,	NT2RP3002099,	NT2RP3002102,
	NT2RP3002108,	NT2RP3002142,	NT2RP3002146,	NT2RP3002147,	NT2RP3002151,	NT2RP3002163,
	NT2RP3002165,	NT2RP3002166,	NT2RP3002173,	NT2RP3002181,	NT2RP3002244,	NT2RP3002248,
	NT2RP3002255,	NT2RP3002273,	NT2RP3002276,	NT2RP3002303,	NT2RP3002304,	NT2RP3002330,
	NT2RP3002343,	NT2RP3002351,	NT2RP3002399,	NT2RP3002402,	NT2RP3002455,	NT2RP3002484,
45	NT2RP3002501,	NT2RP3002512,	NT2RP3002529,	NT2RP3002545,	NT2RP3002549,	NT2RP3002566,
	NT2RP3002587,	NT2RP3002590,	NT2RP3002602,	NT2RP3002603,	NT2RP3002628,	NT2RP3002631,
	NT2RP3002650,	NT2RP3002659,	NT2RP3002660,	NT2RP3002663,	NT2RP3002671,	NT2RP3002682,
	NT2RP3002687,	NT2RP3002688,	NT2RP3002701,	NT2RP3002713,	NT2RP3002763,	NT2RP3002770,
	NT2RP3002785,	NT2RP3002799,	NT2RP3002810,	NT2RP3002818,	NT2RP3002861,	NT2RP3002869,
50	NT2RP3002876,	NT2RP3002877,	NT2RP3002909,	NT2RP3002911,	NT2RP3002948,	NT2RP3002953,
	NT2RP3002955,	NT2RP3002969,	NT2RP3002972,	NT2RP3002985,	NT2RP3002988,	NT2RP3003008,
	NT2RP3003032,	NT2RP3003059,	NT2RP3003061,	NT2RP3003071,	NT2RP3003078,	NT2RP3003101,
	NT2RP3003121,	NT2RP3003133,	NT2RP3003138,	NT2RP3003139,	NT2RP3003145,	NT2RP3003150,
	NT2RP3003155,	NT2RP3003157,	NT2RP3003185,	NT2RP3003193,	NT2RP3003197,	NT2RP3003203,
55	NT2RP3003204,	NT2RP3003210,	NT2RP3003212,	NT2RP3003230,	NT2RP3003242,	NT2RP3003251,
	NT2RP3003264,	NT2RP3003278,	NT2RP3003282,	NT2RP3003290,	NT2RP3003301,	NT2RP3003302,
	NT2RP3003311,	NT2RP3003313,	NT2RP3003327,	NT2RP3003344,	NT2RP3003346,	NT2RP3003353,
	NT2RP3003377,	NT2RP3003385,	NT2RP3003403,	NT2RP3003409,	NT2RP3003411,	NT2RP3003427,



EP 1 074 617 A2

	NT2RP3003433,	NT2RP3003490,	NT2RP3003491,	NT2RP3003500,	NT2RP3003543,	NT2RP3003552,
	NT2RP3003555,	NT2RP3003564,	NT2RP3003572,	NT2RP3003576,	NT2RP3003589,	NT2RP3003621,
	NT2RP3003625,	NT2RP3003656,	NT2RP3003659,	NT2RP3003665,	NT2RP3003672,	NT2RP3003680,
	NT2RP3003686,	NT2RP3003701,	NT2RP3003716,	NT2RP3003726,	NT2RP3003795,	NT2RP3003799,
5	NT2RP3003800,	NT2RP3003805,	NT2RP3003809,	NT2RP3003819,	NT2RP3003825,	NT2RP3003828,
	NT2RP3003831,	NT2RP3003833,	NT2RP3003842,	NT2RP3003846,	NT2RP3003870,	NT2RP3003876,
	NT2RP3003914,	NT2RP3003918,	NT2RP3003932,	NT2RP3003989,	NT2RP3003992,	NT2RP3004013,
	NT2RP3004016,	NT2RP3004028,	NT2RP3004041,	NT2RP3004051,	NT2RP3004070,	NT2RP3004078,
	NT2RP3004093,	NT2RP3004095,	NT2RP3004125,	NT2RP3004145,	NT2RP3004148,	NT2RP3004155,
10	NT2RP3004189,	NT2RP3004206,	NT2RP3004207,	NT2RP3004209,	NT2RP3004215,	NT2RP3004242,
	NT2RP3004246,	NT2RP3004253,	NT2RP3004258,	NT2RP3004262,	NT2RP3004282,	NT2RP3004332,
	NT2RP3004341,	NT2RP3004348,	NT2RP3004349,	NT2RP3004378,	NT2RP3004424,	NT2RP3004428,
	NT2RP3004451,	NT2RP3004454,	NT2RP3004466,	NT2RP3004470,	NT2RP3004472,	NT2RP3004480,
	NT2RP3004490,	NT2RP3004498,	NT2RP3004503,	NT2RP3004504,	NT2RP3004507,	NT2RP3004534,
15	NT2RP3004539,	NT2RP3004544,	NT2RP3004566,	NT2RP3004569,	NT2RP3004572,	NT2RP3004578,
	NT2RP3004594,	NT2RP3004617,	NT2RP3004618,	NT2RP3004669,	NT2RP3004670,	NT2RP4000008,
	NT2RP4000023,	NT2RP4000035,	NT2RP4000049,	NT2RP4000051,	NT2RP4000078,	NT2RP4000102,
	NT2RP4000109,	NT2RP4000111,	NT2RP4000129,	NT2RP4000147,	NT2RP4000150,	NT2RP4000151,
	NT2RP4000159,	NT2RP4000167,	NT2RP4000185,	NT2RP4000210,	NT2RP4000212,	NT2RP4000218,
20	NT2RP4000243,	NT2RP4000246,	NT2RP4000259,	NT2RP4000290,	NT2RP4000312,	NT2RP4000323,
	NT2RP4000355,	NT2RP4000360,	NT2RP4000367,	NT2RP4000370,	NT2RP4000376,	NT2RP4000381,
	NT2RP4000398,	NT2RP4000415,	NT2RP4000417,	NT2RP4000424,	NT2RP4000448,	NT2RP4000449,
	NT2RP4000455,	NT2RP4000457,	NT2RP4000480,	NT2RP4000481,	NT2RP4000498,	NT2RP4000500,
	NT2RP4000515,	NT2RP4000517,	NT2RP4000518,	NT2RP4000519,	NT2RP4000524,	NT2RP4000528,
25	NT2RP4000541,	NT2RP4000556,	NT2RP4000560,	NT2RP4000588,	NT2RP4000614,	NT2RP4000638,
	NT2RP4000648,	NT2RP4000657,	NT2RP4000704,	NT2RP4000713,	NT2RP4000724,	NT2RP4000728,
	NT2RP4000737,	NT2RP4000739,	NT2RP4000781,	NT2RP4000817,	NT2RP4000833,	NT2RP4000837,
	NT2RP4000839,	NT2RP4000855,	NT2RP4000865,	NT2RP4000878,	NT2RP4000879,	NT2RP4000907,
	NT2RP4000925,	NT2RP4000927,	NT2RP4000928,	NT2RP4000929,	NT2RP4000955,	NT2RP4000973,
30	NT2RP4000975,	NT2RP4000979,	NT2RP4000984,	NT2RP4000989,	NT2RP4000997,	NT2RP4001004,
	NT2RP4001006,	NT2RP4001010,	NT2RP4001029,	NT2RP4001041,	NT2RP4001057,	NT2RP4001064,
	NT2RP4001079,	NT2RP4001080,	NT2RP4001086,	NT2RP4001095,	NT2RP4001100,	NT2RP4001117,
	NT2RP4001122,	NT2RP4001126,	NT2RP4001138,	NT2RP4001143,	NT2RP4001148,	NT2RP4001149,
	NT2RP4001150,	NT2RP4001174,	NT2RP4001206,	NT2RP4001207,	NT2RP4001210,	NT2RP4001213,
35	NT2RP4001219,	NT2RP4001228,	NT2RP4001235,	NT2RP4001256,	NT2RP4001260,	NT2RP4001274,
	NT2RP4001276,	NT2RP4001313,	NT2RP4001315,	NT2RP4001336,	NT2RP4001339,	NT2RP4001343,
	NT2RP4001345,	NT2RP4001351,	NT2RP4001353,	NT2RP4001372,	NT2RP4001373,	NT2RP4001375,
	NT2RP4001379,	NT2RP4001389,	NT2RP4001407,	NT2RP4001414,	NT2RP4001433,	NT2RP4001442,
	NT2RP4001447,	NT2RP4001474,	NT2RP4001483,	NT2RP4001498,	NT2RP4001502,	NT2RP4001507,
40	NT2RP4001524,	NT2RP4001529,	NT2RP4001547,	NT2RP4001551,	NT2RP4001555,	NT2RP4001567,
	NT2RP4001568,	NT2RP4001571,	NT2RP4001574,	NT2RP4001575,	NT2RP4001592,	NT2RP4001610,
	NT2RP4001614,	NT2RP4001634,	NT2RP4001638,	NT2RP4001644,	NT2RP4001656,	NT2RP4001677,
	NT2RP4001679,	NT2RP4001696,	NT2RP4001725,	NT2RP4001730,	NT2RP4001739,	NT2RP4001753,
	NT2RP4001760,	NT2RP4001790,	NT2RP4001803,	NT2RP4001822,	NT2RP4001823,	NT2RP4001828,
45	NT2RP4001838,	NT2RP4001841,	NT2RP4001849,	NT2RP4001861,	NT2RP4001893,	NT2RP4001896,
	NT2RP4001901,	NT2RP4001927,	NT2RP4001938,	NT2RP4001946,	NT2RP4001950,	NT2RP4001953,
	NT2RP4001966,	NT2RP4001975,	NT2RP4002018,	NT2RP4002047,	NT2RP4002052,	NT2RP4002058,
	NT2RP4002071,	NT2RP4002075,	NT2RP4002078,	NT2RP4002081,	NT2RP4002083,	NT2RP4002298,
	NT2RP4002408,	NT2RP4002791,	NT2RP4002888,	NT2RP4002905,	NT2RP5003461,	NT2RP5003477,
50	NT2RP5003492,	NT2RP5003500,	NT2RP5003506,	NT2RP5003512,	NT2RP5003522,	NT2RP5003524,
	NT2RP5003534,	OVARC1000001,	OVARC1000006,	OVARC1000008,	OVARC1000013,	OVARC1000014,
	OVARC1000017,	OVARC1000035,	OVARC1000058,	OVARC1000060,	OVARC1000068,	OVARC1000071,
	OVARC1000085,	OVARC1000087,	OVARC1000091,	OVARC1000092,	OVARC1000106,	OVARC1000109,
	OVARC1000113,	OVARC1000114,	OVARC1000139,	OVARC1000145,	OVARC1000148,	OVARC1000151,
55	OVARC1000168,	OVARC1000198,	OVARC1000209,	OVARC1000212,	OVARC1000240,	OVARC1000241,
	OVARC1000288,	OVARC1000302,	OVARC1000304,	OVARC1000309,	OVARC1000321,	OVARC1000326,
	OVARC1000335,	OVARC1000347,	OVARC1000384,	OVARC1000408,	OVARC1000411,	OVARC1000414,
	OVARC1000420,	OVARC1000437,	OVARC1000440,	OVARC1000442,	OVARC1000443,	OVARC1000461,

EP 1 074 617 A2

	OVARC1000465,	OVARC1000466,	OVARC1000473,	OVARC1000479,	OVARC1000496,	OVARC1000520,
	OVARC1000533,	OVARC1000556,	OVARC1000557,	OVARC1000564,	OVARC1000576,	OVARC1000578,
	OVARC1000588,	OVARC1000605,	OVARC1000622,	OVARC1000640,	OVARC1000649,	OVARC1000661,
	OVARC1000678,	OVARC1000679,	OVARC1000681,	OVARC1000682,	OVARC1000689,	OVARC1000700,
5	OVARC1000703,	OVARC1000722,	OVARC1000724,	OVARC1000730,	OVARC1000746,	OVARC1000751,
	OVARC1000771,	OVARC1000781,	OVARC1000787,	OVARC1000800,	OVARC1000802,	OVARC1000834,
	OVARC1000846,	OVARC1000850,	OVARC1000862,	OVARC1000876,	OVARC1000883,	OVARC1000885,
	OVARC1000886,	OVARC1000890,	OVARC1000891,	OVARC1000912,	OVARC1000915,	OVARC1000924,
	OVARC1000936,	OVARC1000937,	OVARC1000945,	OVARC1000959,	OVARC1000960,	OVARC1000964,
10	OVARC1000971,	OVARC1000984,	OVARC1000999,	OVARC1001000,	OVARC1001004,	OVARC1001010,
	OVARC1001011,	OVARC1001029,	OVARC1001032,	OVARC1001034,	OVARC1001038,	OVARC1001040,
	OVARC1001044,	OVARC1001051,	OVARC1001055,	OVARC1001065,	OVARC1001068,	OVARC1001072,
	OVARC1001074,	OVARC1001092,	OVARC1001107,	OVARC1001113,	OVARC1001117,	OVARC1001118,
	OVARC1001129,	OVARC1001154,	OVARC1001161,	OVARC1001162,	OVARC1001167,	OVARC1001169,
15	OVARC1001170,	OVARC1001171,	OVARC1001173,	OVARC1001176,	OVARC1001180,	OVARC1001188,
	OVARC1001200,	OVARC1001232,	OVARC1001240,	OVARC1001243,	OVARC1001244,	OVARC1001261,
	OVARC1001270,	OVARC1001271,	OVARC1001296,	OVARC1001306,	OVARC1001329,	OVARC1001339,
	OVARC1001341,	OVARC1001342,	OVARC1001344,	OVARC1001357,	OVARC1001360,	OVARC1001369,
	OVARC1001372,	OVARC1001376,	OVARC1001381,	OVARC1001391,	OVARC1001399,	OVARC1001417,
20	OVARC1001419,	OVARC1001425,	OVARC1001436,	OVARC1001442,	OVARC1001453,	OVARC1001476,
	OVARC1001480,	OVARC1001489,	OVARC1001496,	OVARC1001506,	OVARC1001525,	OVARC1001555,
	OVARC1001577,	OVARC1001600,	OVARC1001610,	OVARC1001611,	OVARC1001702,	OVARC1001703,
	OVARC1001711,	OVARC1001713,	OVARC1001726,	OVARC1001731,	OVARC1001745,	OVARC1001762,
	OVARC1001766,	OVARC1001767,	OVARC1001768,	OVARC1001791,	OVARC1001795,	OVARC1001802,
25	OVARC1001809,	OVARC1001813,	OVARC1001828,	OVARC1001846,	OVARC1001861,	OVARC1001873,
	OVARC1001879,	OVARC1001880,	OVARC1001883,	OVARC1001916,	OVARC1001928,	OVARC1001942,
	OVARC1001943,	OVARC1001950,	OVARC1001987,	OVARC1002050,	OVARC1002082,	OVARC1002107,
	OVARC1002112,	OVARC1002127,	OVARC1002138,	OVARC1002143,	OVARC1002156,	OVARC1002158,
	OVARC1002165,	OVARC1002182,	PLACE1000004,	PLACE1000005,	PLACE1000007,	PLACE1000014,
30	PLACE1000040,	PLACE1000048,	PLACE1000050,	PLACE1000061,	PLACE1000066,	PLACE1000078,
	PLACE1000081,	PLACE1000094,	PLACE1000133,	PLACE1000142,	PLACE1000184,	PLACE1000185,
	PLACE1000213,	PLACE1000214,	PLACE1000236,	PLACE1000246,	PLACE1000292,	PLACE1000308,
	PLACE1000332,	PLACE1000347,	PLACE1000374,	PLACE1000380,	PLACE1000383,	PLACE1000401,
	PLACE1000406,	PLACE1000420,	PLACE1000435,	PLACE1000444,	PLACE1000453,	PLACE1000492,
35	PLACE1000547,	PLACE1000562,	PLACE1000564,	PLACE1000583,	PLACE1000588,	PLACE1000596,
	PLACE1000599,	PLACE1000610,	PLACE1000611,	PLACE1000636,	PLACE1000653,	PLACE1000656,
	PLACE1000706,	PLACE1000712,	PLACE1000716,	PLACE1000748,	PLACE1000749,	PLACE1000755,
	PLACE1000769,	PLACE1000785,	PLACE1000786,	PLACE1000793,	PLACE1000798,	PLACE1000814,
	PLACE1000849,	PLACE1000856,	PLACE1000863,	PLACE1000909,	PLACE1000931,	PLACE1000948,
40	PLACE1000972,	PLACE1000977,	PLACE1000979,	PLACE1000987,	PLACE1001000,	PLACE1001007,
	PLACE1001010,	PLACE1001015,	PLACE1001024,	PLACE1001036,	PLACE1001054,	PLACE1001062,
	PLACE1001076,	PLACE1001088,	PLACE1001092,	PLACE1001104,	PLACE1001118,	PLACE1001136,
	PLACE1001168,	PLACE1001171,	PLACE1001185,	PLACE1001238,	PLACE1001241,	PLACE1001257,
	PLACE1001280,	PLACE1001294,	PLACE1001304,	PLACE1001311,	PLACE1001323,	PLACE1001351,
45	PLACE1001366,	PLACE1001377,	PLACE1001383,	PLACE1001387,	PLACE1001395,	PLACE1001399,
	PLACE1001412,	PLACE1001414,	PLACE1001440,	PLACE1001456,	PLACE1001484,	PLACE1001503,
	PLACE1001517,	PLACE1001545,	PLACE1001570,	PLACE1001602,	PLACE1001608,	PLACE1001610,
	PLACE1001632,	PLACE1001634,	PLACE1001640,	PLACE1001672,	PLACE1001692,	PLACE1001705,
	PLACE1001716,	PLACE1001720,	PLACE1001729,	PLACE1001739,	PLACE1001740,	PLACE1001745,
50	PLACE1001746,	PLACE1001748,	PLACE1001761,	PLACE1001771,	PLACE1001781,	PLACE1001799,
	PLACE1001810,	PLACE1001817,	PLACE1001845,	PLACE1001869,	PLACE1001897,	PLACE1001912,
	PLACE1001920,	PLACE1001928,	PLACE1001983,	PLACE1001989,	PLACE1002004,	PLACE1002046,
	PLACE1002066,	PLACE1002072,	PLACE1002073,	PLACE1002090,	PLACE1002115,	PLACE1002140,
	PLACE1002157,	PLACE1002163,	PLACE1002170,	PLACE1002171,	PLACE1002213,	PLACE1002227,
55	PLACE1002256,	PLACE1002259,	PLACE1002319,	PLACE1002342,	PLACE1002395,	PLACE1002433,
	PLACE1002437,	PLACE1002438,	PLACE1002450,	PLACE1002465,	PLACE1002474,	PLACE1002477,
	PLACE1002493,	PLACE1002499,	PLACE1002500,	PLACE1002514,	PLACE1002529,	PLACE1002532,
	PLACE1002537,	PLACE1002571,	PLACE1002578,	PLACE1002583,	PLACE1002591,	PLACE1002598,

EP 1 074 617 A2

	PLACE1002625,	PLACE1002655,	PLACE1002665,	PLACE1002685,	PLACE1002714,	PLACE1002722,
	PLACE1002768,	PLACE1002772,	PLACE1002775,	PLACE1002782,	PLACE1002794,	PLACE1002815,
	PLACE1002816,	PLACE1002834,	PLACE1002839,	PLACE1002851,	PLACE1002853,	PLACE1002908,
	PLACE1002941,	PLACE1002962,	PLACE1002968,	PLACE1002991,	PLACE1002993,	PLACE1002996,
5	PLACE1003025,	PLACE1003027,	PLACE1003030,	PLACE1003044,	PLACE1003045,	PLACE1003092,
	PLACE1003100,	PLACE1003108,	PLACE1003145,	PLACE1003174,	PLACE1003176,	PLACE1003190,
	PLACE1003200,	PLACE1003205,	PLACE1003238,	PLACE1003249,	PLACE1003256,	PLACE1003258,
	PLACE1003296,	PLACE1003302,	PLACE1003334,	PLACE1003342,	PLACE1003343,	PLACE1003353,
	PLACE1003361,	PLACE1003366,	PLACE1003369,	PLACE1003373,	PLACE1003375,	PLACE1003383,
10	PLACE1003394,	PLACE1003420,	PLACE1003454,	PLACE1003478,	PLACE1003493,	PLACE1003516,
	PLACE1003519,	PLACE1003521,	PLACE1003528,	PLACE1003537,	PLACE1003553,	PLACE1003566,
	PLACE1003584,	PLACE1003592,	PLACE1003593,	PLACE1003596,	PLACE1003602,	PLACE1003605,
	PLACE1003611,	PLACE1003618,	PLACE1003625,	PLACE1003638,	PLACE1003669,	PLACE1003704,
	PLACE1003709,	PLACE1003711,	PLACE1003723,	PLACE1003738,	PLACE1003760,	PLACE1003762,
15	PLACE1003768,	PLACE1003771,	PLACE1003784,	PLACE1003795,	PLACE1003864,	PLACE1003870,
	PLACE1003885,	PLACE1003886,	PLACE1003888,	PLACE1003892,	PLACE1003900,	PLACE1003903,
	PLACE1003915,	PLACE1003923,	PLACE1003936,	PLACE1003968,	PLACE1004104,	PLACE1004114,
	PLACE1004118,	PLACE1004128,	PLACE1004149,	PLACE1004156,	PLACE1004161,	PLACE1004183,
	PLACE1004197,	PLACE1004203,	PLACE1004256,	PLACE1004258,	PLACE1004270,	PLACE1004274,
20	PLACE1004277,	PLACE1004284,	PLACE1004289,	PLACE1004302,	PLACE1004316,	PLACE1004336,
	PLACE1004358,	PLACE1004376,	PLACE1004384,	PLACE1004388,	PLACE1004405,	PLACE1004425,
	PLACE1004428,	PLACE1004437,	PLACE1004451,	PLACE1004460,	PLACE1004471,	PLACE1004473,
	PLACE1004491,	PLACE1004506,	PLACE1004510,	PLACE1004516,	PLACE1004518,	PLACE1004548,
	PLACE1004550,	PLACE1004564,	PLACE1004629,	PLACE1004645,	PLACE1004646,	PLACE1004664,
25	PLACE1004672,	PLACE1004674,	PLACE1004681,	PLACE1004686,	PLACE1004691,	PLACE1004693,
	PLACE1004716,	PLACE1004722,	PLACE1004736,	PLACE1004740,	PLACE1004743,	PLACE1004751,
	PLACE1004777,	PLACE1004793,	PLACE1004804,	PLACE1004814,	PLACE1004815,	PLACE1004824,
	PLACE1004836,	PLACE1004838,	PLACE1004840,	PLACE1004868,	PLACE1004885,	PLACE1004900,
	PLACE1004902,	PLACE1004913,	PLACE1004918,	PLACE1004930,	PLACE1004934,	PLACE1004937,
30	PLACE1004969,	PLACE1004979,	PLACE1004982,	PLACE1004985,	PLACE1005026,	PLACE1005027,
	PLACE1005046,	PLACE1005052,	PLACE1005055,	PLACE1005077,	PLACE1005085,	PLACE1005086,
	PLACE1005101,	PLACE1005102,	PLACE1005108,	PLACE1005111,	PLACE1005128,	PLACE1005146,
	PLACE1005162,	PLACE1005176,	PLACE1005181,	PLACE1005187,	PLACE1005206,	PLACE1005232,
	PLACE1005243,	PLACE1005261,	PLACE1005266,	PLACE1005277,	PLACE1005287,	PLACE1005305,
35	PLACE1005308,	PLACE1005313,	PLACE1005327,	PLACE1005331,	PLACE1005335,	PLACE1005373,
	PLACE1005374,	PLACE1005409,	PLACE1005453,	PLACE1005467,	PLACE1005477,	PLACE1005480,
	PLACE1005481,	PLACE1005494,	PLACE1005530,	PLACE1005549,	PLACE1005550,	PLACE1005554,
	PLACE1005557,	PLACE1005574,	PLACE1005584,	PLACE1005595,	PLACE1005603,	PLACE1005611,
	PLACE1005623,	PLACE1005639,	PLACE1005646,	PLACE1005656,	PLACE1005727,	PLACE1005730,
40	PLACE1005739,	PLACE1005755,	PLACE1005763,	PLACE1005799,	PLACE1005802,	PLACE1005803,
	PLACE1005804,	PLACE1005813,	PLACE1005828,	PLACE1005850,	PLACE1005851,	PLACE1005876,
	PLACE1005884,	PLACE1005890,	PLACE1005898,	PLACE1005921,	PLACE1005923,	PLACE1005925,
	PLACE1005932,	PLACE1005934,	PLACE1005936,	PLACE1005951,	PLACE1005953,	PLACE1005955,
	PLACE1005966,	PLACE1005968,	PLACE1005990,	PLACE1006002,	PLACE1006003,	PLACE1006011,
45	PLACE1006017,	PLACE1006037,	PLACE1006040,	PLACE1006076,	PLACE1006119,	PLACE1006129,
	PLACE1006139,	PLACE1006143,	PLACE1006157,	PLACE1006159,	PLACE1006167,	PLACE1006170,
	PLACE1006195,	PLACE1006196,	PLACE1006225,	PLACE1006236,	PLACE1006239,	PLACE1006246,
	PLACE1006248,	PLACE1006288,	PLACE1006318,	PLACE1006325,	PLACE1006335,	PLACE1006357,
	PLACE1006360,	PLACE1006368,	PLACE1006371,	PLACE1006382,	PLACE1006385,	PLACE1006412,
50	PLACE1006414,	PLACE1006438,	PLACE1006445,	PLACE1006469,	PLACE1006470,	PLACE1006482,
	PLACE1006488,	PLACE1006492,	PLACE1006506,	PLACE1006521,	PLACE1006531,	PLACE1006534,
	PLACE1006552,	PLACE1006598,	PLACE1006615,	PLACE1006617,	PLACE1006626,	PLACE1006640,
	PLACE1006673,	PLACE1006678,	PLACE1006704,	PLACE1006731,	PLACE1006754,	PLACE1006760,
	PLACE1006779,	PLACE1006782,	PLACE1006792,	PLACE1006795,	PLACE1006805,	PLACE1006815,
55	PLACE1006819,	PLACE1006829,	PLACE1006867,	PLACE1006878,	PLACE1006883,	PLACE1006901,
	PLACE1006917,	PLACE1006932,	PLACE1006935,	PLACE1006956,	PLACE1006958,	PLACE1006961,
	PLACE1006962,	PLACE1006966,	PLACE1007014,	PLACE1007021,	PLACE1007045,	PLACE1007053,
	PLACE1007068,	PLACE1007097,	PLACE1007105,	PLACE1007111,	PLACE1007112,	PLACE1007140,

EP 1 074 617 A2

	PLACE1007178,	PLACE1007218,	PLACE1007226,	PLACE1007238,	PLACE1007239,	PLACE1007242,
	PLACE1007243,	PLACE1007257,	PLACE1007274,	PLACE1007282,	PLACE1007301,	PLACE1007317,
	PLACE1007342,	PLACE1007346,	PLACE1007367,	PLACE1007375,	PLACE1007386,	PLACE1007402,
	PLACE1007409,	PLACE1007416,	PLACE1007450,	PLACE1007452,	PLACE1007454,	PLACE1007460,
5	PLACE1007478,	PLACE1007484,	PLACE1007488,	PLACE1007507,	PLACE1007511,	PLACE1007524,
	PLACE1007537,	PLACE1007544,	PLACE1007547,	PLACE1007557,	PLACE1007583,	PLACE1007598,
	PLACE1007618,	PLACE1007621,	PLACE1007632,	PLACE1007645,	PLACE1007649,	PLACE1007677,
	PLACE1007688,	PLACE1007690,	PLACE1007697,	PLACE1007705,	PLACE1007706,	PLACE1007725,
	PLACE1007729,	PLACE1007730,	PLACE1007737,	PLACE1007743,	PLACE1007746,	PLACE1007791,
10	PLACE1007807,	PLACE1007810,	PLACE1007843,	PLACE1007846,	PLACE1007852,	PLACE1007858,
	PLACE1007866,	PLACE1007877,	PLACE1007897,	PLACE1007946,	PLACE1007954,	PLACE1007955,
	PLACE1007958,	PLACE1007969,	PLACE1007990,	PLACE1008000,	PLACE1008002,	PLACE1008044,
	PLACE1008045,	PLACE1008080,	PLACE1008095,	PLACE1008111,	PLACE1008122,	PLACE1008129,
	PLACE1008132,	PLACE1008177,	PLACE1008181,	PLACE1008201,	PLACE1008209,	PLACE1008231,
15	PLACE1008244,	PLACE1008273,	PLACE1008275,	PLACE1008280,	PLACE1008309,	PLACE1008329,
	PLACE1008330,	PLACE1008331,	PLACE1008356,	PLACE1008368,	PLACE1008369,	PLACE1008392,
	PLACE1008398,	PLACE1008401,	PLACE1008402,	PLACE1008405,	PLACE1008424,	PLACE1008426,
	PLACE1008429,	PLACE1008455,	PLACE1008457,	PLACE1008465,	PLACE1008488,	PLACE1008524,
	PLACE1008531,	PLACE1008532,	PLACE1008533,	PLACE1008568,	PLACE1008584,	PLACE1008603,
20	PLACE1008621,	PLACE1008625,	PLACE1008626,	PLACE1008627,	PLACE1008629,	PLACE1008630,
	PLACE1008643,	PLACE1008650,	PLACE1008693,	PLACE1008696,	PLACE1008715,	PLACE1008748,
	PLACE1008757,	PLACE1008790,	PLACE1008798,	PLACE1008808,	PLACE1008813,	PLACE1008851,
	PLACE1008854,	PLACE1008867,	PLACE1008887,	PLACE1008902,	PLACE1008925,	PLACE1008941,
	PLACE1008947,	PLACE1009020,	PLACE1009027,	PLACE1009039,	PLACE1009045,	PLACE1009048,
25	PLACE1009050,	PLACE1009060,	PLACE1009090,	PLACE1009091,	PLACE1009094,	PLACE1009099,
	PLACE1009110,	PLACE1009111,	PLACE1009113,	PLACE1009130,	PLACE1009150,	PLACE1009158,
	PLACE1009166,	PLACE1009174,	PLACE1009186,	PLACE1009190,	PLACE1009200,	PLACE1009230,
	PLACE1009246,	PLACE1009298,	PLACE1009308,	PLACE1009319,	PLACE1009328,	PLACE1009335,
	PLACE1009338,	PLACE1009368,	PLACE1009375,	PLACE1009388,	PLACE1009398,	PLACE1009404,
30	PLACE1009410,	PLACE1009434,	PLACE1009443,	PLACE1009444,	PLACE1009459,	PLACE1009468,
	PLACE1009476,	PLACE1009477,	PLACE1009493,	PLACE1009524,	PLACE1009539,	PLACE1009542,
	PLACE1009571,	PLACE1009581,	PLACE1009595,	PLACE1009596,	PLACE1009607,	PLACE1009621,
	PLACE1009622,	PLACE1009637,	PLACE1009639,	PLACE1009659,	PLACE1009665,	PLACE1009670,
	PLACE1009708,	PLACE1009721,	PLACE1009731,	PLACE1009763,	PLACE1009794,	PLACE1009798,
35	PLACE1009845,	PLACE1009861,	PLACE1009886,	PLACE1009388,	PLACE1009908,	PLACE1009921,
	PLACE1009925,	PLACE1009935,	PLACE1009947,	PLACE1009971,	PLACE1009992,	PLACE1009995,
	PLACE1009997,	PLACE1010023,	PLACE1010031,	PLACE1010053,	PLACE1010069,	PLACE1010074,
	PLACE1010076,	PLACE1010089,	PLACE1010096,	PLACE1010102,	PLACE1010105,	PLACE1010106,
	PLACE1010134,	PLACE1010148,	PLACE1010194,	PLACE1010202,	PLACE1010231,	PLACE1010261,
40	PLACE1010270,	PLACE1010274,	PLACE1010293,	PLACE1010310,	PLACE1010321,	PLACE1010324,
	PLACE1010329,	PLACE1010362,	PLACE1010364,	PLACE1010383,	PLACE1010401,	PLACE1010481,
	PLACE1010491,	PLACE1010492,	PLACE1010522,	PLACE1010529,	PLACE1010547,	PLACE1010562,
	PLACE1010579,	PLACE1010599,	PLACE1010616,	PLACE1010622,	PLACE1010624,	PLACE1010628,
	PLACE1010629,	PLACE1010630,	PLACE1010661,	PLACE1010662,	PLACE1010702,	PLACE1010714,
45	PLACE1010720,	PLACE1010743,	PLACE1010761,	PLACE1010771,	PLACE1010786,	PLACE1010800,
	PLACE1010802,	PLACE1010811,	PLACE1010833,	PLACE1010856,	PLACE1010857,	PLACE1010870,
	PLACE1010877,	PLACE1010896,	PLACE1010900,	PLACE1010916,	PLACE1010917,	PLACE1010925,
	PLACE1010926,	PLACE1010942,	PLACE1010944,	PLACE1010947,	PLACE1010954,	PLACE1010960,
	PLACE1010965,	PLACE1011026,	PLACE1011032,	PLACE1011041,	PLACE1011046,	PLACE1011054,
50	PLACE1011056,	PLACE1011057,	PLACE1011090,	PLACE1011109,	PLACE1011114,	PLACE1011133,
	PLACE1011143,	PLACE1011160,	PLACE1011165,	PLACE1011185,	PLACE1011214,	PLACE1011219,
	PLACE1011221,	PLACE1011229,	PLACE1011263,	PLACE1011273,	PLACE1011291,	PLACE1011310,
	PLACE1011325,	PLACE1011332,	PLACE1011340,	PLACE1011371,	PLACE1011399,	PLACE1011433,
	PLACE1011452,	PLACE1011465,	PLACE1011472,	PLACE1011477,	PLACE1011492,	PLACE1011503,
55	PLACE1011520,	PLACE1011563,	PLACE1011567,	PLACE1011576,	PLACE1011586,	PLACE1011635,
	PLACE1011643,	PLACE1011646,	PLACE1011649,	PLACE1011650,	PLACE1011664,	PLACE1011675,
	PLACE1011682,	PLACE1011719,	PLACE1011725,	PLACE1011729,	PLACE1011749,	PLACE1011858,
	PLACE1011874,	PLACE1011875,	PLACE1011891,	PLACE1011896,	PLACE1011922,	PLACE1011923,

EP 1 074 617 A2

	PLACE1011982,	PLACE1012031,	PLACE2000003,	PLACE2000006,	PLACE2000007,	PLACE2000014,
	PLACE2000015,	PLACE2000017,	PLACE2000021,	PLACE2000034,	PLACE2000039,	PLACE2000047,
	PLACE2000050,	PLACE2000061,	PLACE2000062,	PLACE2000072,	PLACE2000097,	PLACE2000100,
	PLACE2000103,	PLACE2000111,	PLACE2000115,	PLACE2000124,	PLACE2000132,	PLACE2000140,
5	PLACE2000164,	PLACE2000170,	PLACE2000172,	PLACE2000176,	PLACE2000187,	PLACE2000216,
	PLACE2000223,	PLACE2000235,	PLACE2000246,	PLACE2000274,	PLACE2000302,	PLACE2000317,
	PLACE2000335,	PLACE2000341,	PLACE2000347,	PLACE2000359,	PLACE2000366,	PLACE2000371,
	PLACE2000373,	PLACE2000379,	PLACE2000394,	PLACE2000398,	PLACE2000399,	PLACE2000404,
	PLACE2000411,	PLACE2000425,	PLACE2000427,	PLACE2000433,	PLACE2000438,	PLACE2000450,
10	PLACE2000455,	PLACE2000458,	PLACE2000477,	PLACE3000009,	PLACE3000020,	PLACE3000059,
	PLACE3000070,	PLACE3000103,	PLACE3000119,	PLACE3000121,	PLACE3000124,	PLACE3000136,
	PLACE3000142,	PLACE3000145,	PLACE3000147,	PLACE3000148,	PLACE3000155,	PLACE3000156,
	PLACE3000157,	PLACE3000158,	PLACE3000160,	PLACE3000169,	PLACE3000194,	PLACE3000197,
	PLACE3000199,	PLACE3000207,	PLACE3000208,	PLACE3000218,	PLACE3000221,	PLACE3000226,
15	PLACE3000230,	PLACE3000242,	PLACE3000244,	PLACE3000254,	PLACE3000271,	PLACE3000276,
	PLACE3000304,	PLACE3000310,	PLACE3000320,	PLACE3000322,	PLACE3000331,	PLACE3000339,
	PLACE3000341,	PLACE3000350,	PLACE3000352,	PLACE3000353,	PLACE3000362,	PLACE3000363,
	PLACE3000365,	PLACE3000373,	PLACE3000388,	PLACE3000399,	PLACE3000401,	PLACE3000402,
	PLACE3000405,	PLACE3000406,	PLACE3000413,	PLACE3000416,	PLACE3000425,	PLACE3000455,
20	PLACE3000475,	PLACE3000477,	PLACE4000009,	PLACE4000014,	PLACE4000052,	PLACE4000063,
	PLACE4000089,	PLACE4000093,	PLACE4000100,	PLACE4000106,	PLACE4000128,	PLACE4000129,
	PLACE4000131,	PLACE4000147,	PLACE4000156,	PLACE4000192,	PLACE4000211,	PLACE4000222,
	PLACE4000230,	PLACE4000247,	PLACE4000250,	PLACE4000252,	PLACE4000259,	PLACE4000261,
	PLACE4000269,	PLACE4000270,	PLACE4000300,	PLACE4000320,	PLACE4000323,	PLACE4000326,
25	PLACE4000344,	PLACE4000367,	PLACE4000369,	PLACE4000387,	PLACE4000392,	PLACE4000401,
	PLACE4000411,	PLACE4000431,	PLACE4000445,	PLACE4000450,	PLACE4000465,	PLACE4000487,
	PLACE4000489,	PLACE4000494,	PLACE4000521,	PLACE4000522,	PLACE4000548,	PLACE4000558,
	PLACE4000581,	PLACE4000590,	PLACE4000593,	PLACE4000612,	PLACE4000638,	PLACE4000650,
	PLACE4000654,	PLACE4000670,	SKNMC1000011,	SKNMC1000013,	SKNMC1000046,	SKNMC1000050,
30	SKNMC1000091,	THYRO1000026,	THYRO1000034,	THYRO1000070,	THYRO1000072,	THYRO1000085,
	THYRO1000092,	THYRO1000107,	THYRO1000111,	THYRO1000121,	THYRO1000124,	THYRO1000132,
	THYRO1000156,	THYRO1000173,	THYRO1000186,	THYRO1000187,	THYRO1000197,	THYRO1000199,
	THYRO1000206,	THYRO1000241,	THYRO1000242,	THYRO1000253,	THYRO1000270,	THYRO1000279,
	THYRO1000288,	THYRO1000320,	THYRO1000327,	THYRO1000343,	THYRO1000358,	THYRO1000368,
35	THYRO1000381,	THYRO1000387,	THYRO1000394,	THYRO1000395,	THYRO1000401,	THYRO1000452,
	THYRO1000471,	THYRO1000484,	THYRO1000488,	THYRO1000501,	THYRO1000502,	THYRO1000505,
	THYRO1000558,	THYRO1000569,	THYRO1000570,	THYRO1000585,	THYRO1000596,	THYRO1000605,
	THYRO1000625,	THYRO1000637,	THYRO1000662,	THYRO1000666,	THYRO1000676,	THYRO1000684,
	THYRO1000712,	THYRO1000715,	THYRO1000734,	THYRO1000748,	THYRO1000756,	THYRO1000777,
40	THYRO1000783,	THYRO1000787,	THYRO1000793,	THYRO1000796,	THYRO1000805,	THYRO1000815,
	THYRO1000843,	THYRO1000852,	THYRO1000855,	THYRO1000865,	THYRO1000895,	THYRO1000916,
	THYRO1000926,	THYRO1000934,	THYRO1000951,	THYRO1000952,	THYRO1000983,	THYRO1000988,
	THYRO1001003,	THYRO1001031,	THYRO1001033,	THYRO1001062,	THYRO1001100,	THYRO1001120,
	THYRO1001133,	THYRO1001134,	THYRO1001142,	THYRO1001173,	THYRO1001189,	THYRO1001204,
45	THYRO1001213,	THYRO1001262,	THYRO1001271,	THYRO1001287,	THYRO1001313,	THYRO1001320,
	THYRO1001321,	THYRO1001322,	THYRO1001347,	THYRO1001363,	THYRO1001365,	THYRO1001374,
	THYRO1001401,	THYRO1001403,	THYRO1001405,	THYRO1001406,	THYRO1001411,	THYRO1001426,
	THYRO1001434,	THYRO1001458,	THYRO1001480,	THYRO1001487,	THYRO1001534,	THYRO1001537,
	THYRO1001541,	THYRO1001559,	THYRO1001570,	THYRO1001584,	THYRO1001595,	THYRO1001602,
50	THYRO1001605,	THYRO1001617,	THYRO1001637,	THYRO1001656,	THYRO1001661,	THYRO1001671,
	THYRO1001673,	THYRO1001703,	THYRO1001706,	THYRO1001721,	THYRO1001738,	THYRO1001745,
	THYRO1001746,	THYRO1001772,	THYRO1001793,	THYRO1001809,	THYRO1001828,	THYRO1001854,
	THYRO1001895,	THYRO1001907,	VESEN1000122,	Y79AA1000013,	Y79AA1000033,	Y79AA1000037,
	Y79AA1000059,	Y79AA1000065,	Y79AA1000131,	Y79AA1000181,	Y79AA1000202,	Y79AA1000214,
55	Y79AA1000230,	Y79AA1000231,	Y79AA1000258,	Y79AA1000268,	Y79AA1000313,	Y79AA1000328,
	Y79AA1000342,	Y79AA1000346,	Y79AA1000349,	Y79AA1000355,	Y79AA1000368,	Y79AA1000410,
	Y79AA1000420,	Y79AA1000469,	Y79AA1000480,	Y79AA1000539,	Y79AA1000540,	Y79AA1000560,
	Y79AA1000574,	Y79AA1000589,	Y79AA1000627,	Y79AA1000705,	Y79AA1000734,	Y79AA1000748,

Y79AA1000752,	Y79AA1000774,	Y79AA1000782,	Y79AA1000784,	Y79AA1000794,	Y79AA1000800,
Y79AA1000802,	Y79AA1000805,	Y79AA1000824,	Y79AA1000827,	Y79AA1000833,	Y79AA1000850,
Y79AA1000962,	Y79AA1000966,	Y79AA1000968,	Y79AA1000969,	Y79AA1000976,	Y79AA1000985,
Y79AA1001023,	Y79AA1001041,	Y79AA1001048,	Y79AA1001061,	Y79AA1001068,	Y79AA1001077,
5 Y79AA1001078,	Y79AA1001145,	Y79AA1001167,	Y79AA1001177,	Y79AA1001185,	Y79AA1001211,
Y79AA1001216,	Y79AA1001228,	Y79AA1001233,	Y79AA1001236,	Y79AA1001281,	Y79AA1001299,
Y79AA1001312,	Y79AA1001323,	Y79AA1001384,	Y79AA1001391,	Y79AA1001394,	Y79AA1001402,
Y79AA1001493,	Y79AA1001511,	Y79AA1001533,	Y79AA1001541,	Y79AA1001548,	Y79AA1001555,
Y79AA1001581,	Y79AA1001585,	Y79AA1001594,	Y79AA1001603,	Y79AA1001613,	Y79AA1001647,
10 Y79AA1001665,	Y79AA1001679,	Y79AA1001692,	Y79AA1001696,	Y79AA1001705,	Y79AA1001711,
Y79AA1001781,	Y79AA1001805,	Y79AA1001827,	Y79AA1001846,	Y79AA1001866,	Y79AA1001874,
Y79AA1001875,	Y79AA1001923,	Y79AA1001963,	Y79AA1002027,	Y79AA1002083,	Y79AA1002089,
Y79AA1002103,	Y79AA1002115,	Y79AA1002125,	Y79AA1002139,	Y79AA1002204,	Y79AA1002208,
Y79AA1002209,	Y79AA1002210,	Y79AA1002211,	Y79AA1002220,	Y79AA1002229,	Y79AA1002234,
15 Y79AA1002246,	Y79AA1002258,	Y79AA1002298,	Y79AA1002307,	Y79AA1002311,	Y79AA1002351,
Y79AA1002361,	Y79AA1002399,	Y79AA1002407,	Y79AA1002416,	Y79AA1002431,	Y79AA1002433,
Y79AA1002472,	Y79AA1002482,	Y79AA1002487,			

[0258] Among the 4997 clones, there are 2189 clones that presumably encode proteins belonging to any of the categories of secretory or membrane proteins, glycoprotein-associated proteins, signal transduction-associated proteins, transcription-associated proteins, disease-associated proteins, enzymes and/or metabolism-associated proteins, ATP- and/or GTP-binding proteins, nuclear proteins, DNA- and/or RNA-binding proteins, RNA synthesis-associated proteins, protein synthesis- and/or protein transport-associated proteins, cytoskeleton-associated proteins, cell division- and/or cell proliferation-associated proteins, embryogenesis- and/or development-associated proteins, or cellular defense-associated proteins.

[0259] The clones that presumably encode proteins belonging to the category of secretory or membrane proteins are those which matched the full-length sequences of Swiss-Prot database with the keywords "growth factor", "cytokine", "hormone", "signal", "transmembrane", "membrane", "extracellular matrix", "receptor", "G-protein coupled receptor", "ionic channel", "voltage-gated channel", "calcium channel", "cell adhesion", "collagen", or "connective tissue"; those which matched the data, suggesting that the proteins are secretory or membrane proteins; or those which matched the full-length sequences of GenBank or UniGene database with similar description; and, further, those predicted to have an N-terminal signal sequence or a transmembrane region as a result of domain search for the amino acid sequences deduced from the full-length nucleotide sequences.

[0260] The clones that presumably encode proteins belonging to the category of glycoprotein-associated proteins are those which matched the full-length sequences of Swiss-Prot database with the keywords "glycoprotein"; those which matched the data, suggesting that the proteins are glycoprotein; or those which matched the full-length sequences of GenBank or UniGene database with similar description.

[0261] The clones that presumably encode proteins belonging to the category of signal transduction-associated proteins are those which matched the full-length sequences of Swiss-Prot database with the keywords "serine/threonine-protein kinase", "tyrosine-protein kinase", or "SH3 domain"; those which matched the data, suggesting that the proteins are signal transduction-associated proteins (for example, "ADP-ribosylation factor"); or those which matched the full-length sequences of GenBank or UniGene database with similar description.

[0262] The clones that presumably encode proteins belonging to the category of transcription-associated proteins are those which matched the full-length sequences of Swiss-Prot database with the keywords "transcription regulation", "zinc finger", or "homeobox"; those which matched the data, suggesting that the proteins are transcription-associated proteins; or those which matched the full-length sequences of GenBank or UniGene database with similar description.

[0263] The clones that presumably encode proteins belonging to the category of disease-associated proteins are those which matched the full-length sequences of Swiss-Prot database with the keywords "disease mutation" or "syndrome"; those which matched the data, suggesting that the proteins are disease-associated proteins; or those which matched the full-length sequences of Swiss-Prot database and GenBank or UniGene database where the matched sequences of genes or proteins which had been registered in the database of Online Mendelian Inheritance in Man (OMIM) (<http://www.ncbi.nlm.nih.gov/Omim/>), which is a database of human genes and diseases.

[0264] The clones that presumably encode proteins belonging to the category of enzymes and/or metabolism-associated proteins are those which showed the terms "metabolism", "oxidoreductase", or "E.C. No. (Enzyme commission number)" in the matching data.

[0265] The clones that presumably encode proteins belonging to the category of ATP- and/or GTP-binding proteins are those which matched the data with the terms "ATP-binding" or "GTP-binding".

[0266] The clones that presumably encode proteins belonging to the category of nuclear proteins are those which matched the data with the terms "nuclear protein".

[0267] The clones that presumably encode proteins belonging to the category of DNA- and/or RNA-binding proteins are those which matched the data with the terms "DNA-binding" or "RNA-binding".

[0268] The clones that presumably encode proteins belonging to the category of RNA synthesis-associated proteins are those which matched the data with the terms "RNA splicing", "RNA processing", "RNA helicase", or "polyadenylation".

[0269] The clones that presumably encode proteins belonging to the category of protein synthesis- and/or protein transport-associated proteins are those which matched the data with the terms "translation regulation", "protein biosynthesis", "amino-acid biosynthesis", "ribosomal protein", "protein transport", or "signal recognition particle".

[0270] The clones that presumably encode proteins belonging to the category of cytoskeleton-associated proteins are those which matched the data with the terms "structural protein", "cytoskeleton", "actin-binding", or "microtubules".

[0271] The clones that presumably encode proteins belonging to the category of cell division- and/or cell proliferation-associated proteins are those which matched the data with the terms "cell division", "cell cycle", "mitosis", "chromosomal protein", "cell growth", or "apoptosis".

[0272] The clones that presumably encode proteins belonging to the category of embryogenesis- and/or development-associated proteins are those which matched the data with the terms "developmental protein".

[0273] The clones that presumably encode proteins belonging to the category of cellular defense-associated proteins are those which matched the data with the terms "heat shock", "DNA repair", or "DNA damage".

[0274] When a clone belonged to the above-mentioned multiple functional categories, the clone was classified into the multiple categories. However, the functions of the protein encoded by the clone are not limited to the functions of the categories into which the clone was classified, and therefore, additional functions can be found for the protein by further analyses.

[0275] The following 796 clones are categorized into secretory or membrane proteins.

HEMBA1000356,	HEMBA1000518,	HEMBA1000531,	HEMBA1000637,	HEMBA1000719,	HEMBA1000817,
HEMBA1000822,	HEMBA1000852,	HEMBA1000870,	HEMBA1000991,	HEMBA1001052,	HEMBA1001071,
HEMBA1001085,	HEMBA1001286,	HEMBA1001351,	HEMBA1001407,	HEMBA1001446,	HEMBA1001515,
HEMBA1001557,	HEMBA1001569,	HEMBA1001661,	HEMBA1001734,	HEMBA1001746,	HEMBA1001866,
HEMBA1002125,	HEMBA1002150,	HEMBA1002166,	HEMBA1002417,	HEMBA1002462,	HEMBA1002475,
HEMBA1002477,	HEMBA1002486,	HEMBA1002609,	HEMBA1002659,	HEMBA1002661,	HEMBA1002780,
HEMBA1002818,	HEMBA1002876,	HEMBA1002921,	HEMBA1003071,	HEMBA1003077,	HEMBA1003079,
HEMBA1003086,	HEMBA1003096,	HEMBA1003281,	HEMBA1003286,	HEMBA1003538,	HEMBA1003711,
HEMBA1003742,	HEMBA1003803,	HEMBA1004055,	HEMBA1004143,	HEMBA1004146,	HEMBA1004207,
HEMBA1004341,	HEMBA1004461,	HEMBA1004577,	HEMBA1004637,	HEMBA1004752,	HEMBA1004756,
HEMBA1004850,	HEMBA1004889,	HEMBA1004923,	HEMBA1004930,	HEMBA1005029,	HEMBA1005035,
HEMBA1005050,	HEMBA1005552,	HEMBA1005576,	HEMBA1005581,	HEMBA1005588,	HEMBA1005616,
HEMBA1005699,	HEMBA1005991,	HEMBA1006036,	HEMBA1006038,	HEMBA1006067,	HEMBA1006173,
HEMBA1006198,	HEMBA1006293,	HEMBA1006310,	HEMBA1006492,	HEMBA1006502,	HEMBA1006583,
HEMBA1006659,	HEMBA1006758,	HEMBA1006789,	HEMBA1006921,	HEMBA1006926,	HEMBA1006976,
HEMBA1007203,	HEMBA1007301,	HEMBA1000037,	HEMBA1000050,	HEMBA1000054,	HEMBA1000175,
HEMBA1000317,	HEMBA1000556,	HEMBA1000593,	HEMBA1000631,	HEMBA1000763,	HEMBA1000827,
HEMBA1000915,	HEMBA1000975,	HEMBA1001112,	HEMBA1001151,	HEMBA1001177,	HEMBA1001302,
HEMBA1001348,	HEMBA1001564,	HEMBA1001630,	HEMBA1001871,	HEMBA1001872,	HEMBA1001925,
HEMBA1001962,	HEMBA1002042,	HEMBA1002044,	HEMBA1002142,	HEMBA1002190,	HEMBA1002193,
HEMBA1002247,	HEMBA1002383,	HEMBA1002387,	HEMBA1002550,	HEMBA1002600,	HEMBA1002692,
MAMMA1000045,	MAMMA1000129,	MAMMA1000133,	MAMMA1000277,	MAMMA1000278,	MAMMA1000410,
MAMMA1000416,	MAMMA1000472,	MAMMA1000672,	MAMMA1000684,	MAMMA1000714,	MAMMA1000734,
MAMMA1000778,	MAMMA1000798,	MAMMA1000842,	MAMMA1000859,	MAMMA1000897,	MAMMA1000956,
MAMMA1001008,	MAMMA1001030,	MAMMA1001041,	MAMMA1001073,	MAMMA1001080,	MAMMA1001139,
MAMMA1001154,	MAMMA1001322,	MAMMA1001388,	MAMMA1001411,	MAMMA1001487,	MAMMA1001751,
MAMMA1001754,	MAMMA1001771,	MAMMA1002009,	MAMMA1002427,	MAMMA1002428,	MAMMA1002461,
MAMMA1002524,	MAMMA1002573,	MAMMA1002598,	MAMMA1002655,	MAMMA1002684,	MAMMA1002769,
MAMMA1002844,	MAMMA1002881,	MAMMA1002890,	MAMMA1002938,	MAMMA1002947,	MAMMA1003035,
MAMMA1003089,	MAMMA1003146,	MAMMA1003150,	NT2RM1000035,	NT2RM1000037,	NT2RM1000062,
NT2RM1000080,	NT2RM1000092,	NT2RM1000131,	NT2RM1000199,	NT2RM1000257,	NT2RM1000260,
NT2RM1000355,	NT2RM1000430,	NT2RM1000563,	NT2RM1000648,	NT2RM1000742,	NT2RM1000770,
NT2RM1000800,	NT2RM1000811,	NT2RM1000833,	NT2RM1000857,	NT2RM1000867,	NT2RM1000882,
NT2RM1000905,	NT2RM1001008,				
NT2RM1001115,	NT2RM1001139,	NT2RM2000259,	NT2RM2000260,	NT2RM2000287,	NT2RM2000395,
NT2RM2000402,	NT2RM2000407,	NT2RM2000422,	NT2RM2000490,	NT2RM2000522,	NT2RM2000566,



## EP 1 074 617 A2

	NT2RM2000581,	NT2RM2000609,	NT2RM2000821,	NT2RM2001370,	NT2RM2001393,	NT2RM2001499,
	NT2RM2001547,	NT2RM2001613,	NT2RM2001648,	NT2RM2001659,	NT2RM2001671,	NT2RM2001688,
	NT2RM2001698,	NT2RM2001718,	NT2RM2001753,	NT2RM2001760,	NT2RM2001785,	NT2RM2001930,
	NT2RM2001950,	NT2RM2001997,	NT2RM2001998,	NT2RM2002049,	NT2RM2002145,	NT2RM4000233,
5	NT2RM4000433,	NT2RM4000457,	NT2RM4000486,	NT2RM4000496,	NT2RM4000520,	NT2RM4000634,
	NT2RM4000674,	NT2RM4000700,	NT2RM4000764,	NT2RM4000778,	NT2RM4000795,	NT2RM4000820,
	NT2RM4000857,	NT2RM4001032,	NT2RM4001054,	NT2RM4001116,	NT2RM4001455,	NT2RM4001666,
	NT2RM4001810,	NT2RM4001813,	NT2RM4001930,	NT2RM4001987,	NT2RM4002054,	NT2RM4002073,
	NT2RM4002145,	NT2RM4002146,	NT2RM4002189,	NT2RM4002194,	NT2RM4002251,	NT2RM4002339,
10	NT2RM4002438,	NT2RM4002446,	NT2RM4002452,	NT2RM4002460,	NT2RM4002493,	NT2RM4002558,
	NT2RM4002565,	NT2RM4002571,	NT2RM4002594,	NT2RP1000130,	NT2RP1000191,	NT2RP1000326,
	NT2RP1000358,	NT2RP1000413,	NT2RP1000418,	NT2RP1000547,	NT2RP1000609,	NT2RP1000677,
	NT2RP1000767,	NT2RP1000782,	NT2RP1000856,	NT2RP1001113,	NT2RP1001247,	NT2RP1001286,
	NT2RP1001310,	NT2RP1001311,	NT2RP1001313,	NT2RP1001385,	NT2RP1001449,	NT2RP1001546,
15	NT2RP1001569,	NT2RP2000032,	NT2RP2000040,	NT2RP2000056,	NT2RP2000070,	NT2RP2000091,
	NT2RP2000114,	NT2RP2000120,	NT2RP2000173,	NT2RP2000175,	NT2RP2000195,	NT2RP2000257,
	NT2RP2000270,	NT2RP2000283,	NT2RP2000288,	NT2RP2000289,	NT2RP2000459,	NT2RP2000516,
	NT2RP2000660,	NT2RP2000842,	NT2RP2000892,	NT2RP2001081,	NT2RP2001268,	NT2RP2001295,
	NT2RP2001366,	NT2RP2001378,	NT2RP2001576,	NT2RP2001581,	NT2RP2001597,	NT2RP2001613,
20	NT2RP2001947,	NT2RP2001991,	NT2RP2002025,	NT2RP2002066,	NT2RP2002078,	NT2RP2002105,
	NT2RP2002312,	NT2RP2002325,	NT2RP2002385,	NT2RP2002479,	NT2RP2002537,	NT2RP2002643,
	NT2RP2002701,	NT2RP2002740,	NT2RP2002857,	NT2RP2003125,	NT2RP2003297,	NT2RP2003433,
	NT2RP2003446,	NT2RP2003466,	NT2RP2003506,	NT2RP2003513,	NT2RP2003629,	NT2RP2003668,
	NT2RP2003760,	NT2RP2003777,	NT2RP2003781,	NT2RP2004041,	NT2RP2004142,	NT2RP2004194,
25	NT2RP2004270,	NT2RP2004300,	NT2RP2004392,	NT2RP2004655,	NT2RP2004681,	NT2RP2004775,
	NT2RP2004799,	NT2RP2004936,	NT2RP2004959,	NT2RP2005012,	NT2RP2005159,	NT2RP2005227,
	NT2RP2005270,	NT2RP2005344,	NT2RP2005465,	NT2RP2005509,	NT2RP2005752,	NT2RP2005781,
	NT2RP2005784,	NT2RP2005812,	NT2RP2006069,	NT2RP2006100,	NT2RP2006141,	NT2RP2006184,
	NT2RP2006261,	NT2RP2006565,	NT2RP2006571,	NT2RP2006573,	NT2RP3000092,	NT2RP3000109,
30	NT2RP3000134,	NT2RP3000207,	NT2RP3000333,	NT2RP3000341,	NT2RP3000393,	NT2RP3000439,
	NT2RP3000441,	NT2RP3000531,	NT2RP3000685,	NT2RP3000825,	NT2RP3000826,	NT2RP3000852,
	NT2RP3000919,	NT2RP3001084,	NT2RP3001096,	NT2RP3001126,	NT2RP3001140,	NT2RP3001176,
	NT2RP3001260,	NT2RP3001282,	NT2RP3001355,	NT2RP3001383,	NT2RP3001426,	NT2RP3001453,
	NT2RP3001497,	NT2RP3001538,	NT2RP3001589,	NT2RP3001642,	NT2RP3001708,	NT2RP3001716,
35	NT2RP3001727,	NT2RP3001739,	NT2RP3001799,	NT2RP3001943,	NT2RP3001944,	NT2RP3002002,
	NT2RP3002007,	NT2RP3002014,	NT2RP3002054,	NT2RP3002108,	NT2RP3002163,	NT2RP3002351,
	NT2RP3002455,	NT2RP3002549,	NT2RP3002602,	NT2RP3002628,	NT2RP3002687,	NT2RP3002687,
	NT2RP3002701,	NT2RP3002810,	NT2RP3002869,	NT2RP3002969,	NT2RP3002985,	NT2RP3003008,
	NT2RP3003059,	NT2RP3003071,	NT2RP3003101,	NT2RP3003145,	NT2RP3003197,	NT2RP3003203,
40	NT2RP3003242,	NT2RP3003302,	NT2RP3003353,	NT2RP3003409,	NT2RP3003576,	NT2RP3003621,
	NT2RP3003665,	NT2RP3003672,	NT2RP3003701,	NT2RP3003716,	NT2RP3003799,	NT2RP3003828,
	NT2RP3003914,	NT2RP3003918,	NT2RP3003992,	NT2RP3004051,	NT2RP3004148,	NT2RP3004155,
	NT2RP3004207,	NT2RP3004282,	NT2RP3004454,	NT2RP3004480,	NT2RP3004503,	NT2RP4000008,
	NT2RP4000051,	NT2RP4000151,	NT2RP4000212,	NT2RP4000243,	NT2RP4000259,	NT2RP4000323,
45	NT2RP4000417,	NT2RP4000500,	NT2RP4000524,	NT2RP4000556,	NT2RP4000560,	NT2RP4000588,
	NT2RP4000713,	NT2RP4000724,	NT2RP4000817,	NT2RP4000833,	NT2RP4000878,	NT2RP4000907,
	NT2RP4000925,	NT2RP4000928,	NT2RP4000973,	NT2RP4000989,	NT2RP4001057,	NT2RP4001064,
	NT2RP4001079,	NT2RP4001117,	NT2RP4001138,	NT2RP4001149,	NT2RP4001150,	NT2RP4001174,
	NT2RP4001219,	NT2RP4001274,	NT2RP4001313,	NT2RP4001345,	NT2RP4001372,	NT2RP4001373,
50	NT2RP4001379,	NT2RP4001498,	NT2RP4001547,	NT2RP4001571,	NT2RP4001574,	NT2RP4001644,
	NT2RP4001656,	NT2RP4001677,	NT2RP4001730,	NT2RP4001739,	NT2RP4001803,	NT2RP4001822,
	NT2RP4001823,	NT2RP4001950,	NT2RP4001975,	NT2RP4002052,	NT2RP4002075,	NT2RP5003500,
	NT2RP5003506,	NT2RP5003522,	NT2RP5003534,	OVARC1000060,	OVARC1000335,	OVARC1000682,
	OVARC1000689,	OVARC1000700,	OVARC1000722,	OVARC1000751,	OVARC1000850,	OVARC1000890,
55	OVARC1000924,	OVARC1000936,	OVARC1000959,	OVARC1000984,	OVARC1000999,	OVARC1001034,
	OVARC1001055,	OVARC1001117,	OVARC1001129,	OVARC1001154,	OVARC1001329,	OVARC1001381,
	OVARC1001391,	OVARC1001453,	OVARC1001476,	OVARC1001506,	OVARC1001610,	OVARC1001702,
	OVARC1001703,	OVARC1001713,	OVARC1001745,	OVARC1001767,	OVARC1002127,	OVARC1002138,



EP 1 074 617 A2

OVARC1002158, OVARC1002165, PLACE1000014, PLACE1000213, PLACE1000401, PLACE1000562;  
 PLACE1000611, PLACE1000656, PLACE1000712, PLACE1 000793, PLACE1000909, PLACE1000948,  
 PLACE1000977, PLACE1001241, PLACE1001257, PLACE1001377, PLACE1001517, PLACE1001610,  
 PLACE1001761, PLACE1001771, PLACE1001817, PLACE1001983, PLACE1002046, PLACE1002140,  
 5 PLACE1002213, PLACE1002395, PLACE1002437, PLACE1002500, PLACE1002583, PLACE1002714,  
 PLACE1002722, PLACE1002782, PLACE1002794, PLACE1002851, PLACE1002908, PLACE1003030,  
 PLACE1003044, PLACE1003045, PLACE1003238, PLACE1003296, PLACE1003369, PLACE1003420,  
 PLACE1003493, PLACE1003537, PLACE1003553, PLACE1003596, PLACE1003760, PLACE1003768,  
 PLACE1003771, PLACE1003903, PLACE1004149, PLACE1004197, PLACE1004203, PLACE1004258,  
 10 PLACE1004270, PLACE1004277, PLACE1004289, PLACE1004473, PLACE1004629, PLACE1004646,  
 PLACE1004743, PLACE1004751, PLACE1004793, PLACE1004840, PLACE1004969, PLACE1005086,  
 PLACE1005162, PLACE1005206, PLACE1005313, PLACE1005467, PLACE1005530, PLACE1005595,  
 PLACE1005611, PLACE1005623, PLACE1005763, PLACE1005884, PLACE1005890, PLACE1005898,  
 PLACE1005934, PLACE1005953, PLACE1006157, PLACE1006225, PLACE1006239, PLACE1006288,  
 15 PLACE1006492, PLACE1006534, PLACE1006678, PLACE1006754, PLACE1006901, PLACE1006935,  
 PLACE1006956, PLACE1007111, PLACE1007243, PLACE1007274, PLACE1007282, PLACE1007317,  
 PLACE1007375, PLACE1007386, PLACE1007409, PLACE1007416, PLACE1007484, PLACE1007583,  
 PLACE1007632, PLACE1007645, PLACE1007649, PLACE1007852, PLACE1007877, PLACE1007954,  
 PLACE1008273, PLACE1008309, PLACE1008331, PLACE1008402, PLACE1008424, PLACE1008429,  
 20 PLACE1008531, PLACE1008532, PLACE1008533, PLACE1008568, PLACE1008643, PLACE1008693,  
 PLACE1008715, PLACE1009045, PLACE1009094, PLACE1009298, PLACE1009319, PLACE1009338,  
 PLACE1009368, PLACE1009493, PLACE1009639, PLACE1009659, PLACE1009708, PLACE1009731,  
 PLACE1009845, PLACE1009861, PLACE1009935, PLACE1009992, PLACE1010089, PLACE1010231,  
 PLACE1010321, PLACE1010362, PLACE1010599, PLACE1010622, PLACE1010662, PLACE1010811,  
 25 PLACE1010917, PLACE1010942, PLACE1010954, PLACE1011090, PLACE1011214, PLACE1011221,  
 PLACE1011371, PLACE1011399, PLACE1011492, PLACE1011646, PLACE1011749, PLACE1011896,  
 PLACE2000034, PLACE2000062, PLACE2000111, PLACE2000132, PLACE2000176, PLACE2000187,  
 PLACE2000216, PLACE2000335, PLACE2000341, PLACE2000373, PLACE2000379, PLACE2000398,  
 PLACE2000399, PLACE2000425, PLACE2000438, PLACE2000458, PLACE2000477, PLACE3000020,  
 30 PLACE3000218, PLACE3000226, PLACE3000242, PLACE3000244, PLACE3000339, PLACE3000373,  
 PLACE3000399, PLACE3000406, PLACE3000413, PLACE3000455, PLACE4000052, PLACE4000063,  
 PLACE4000129, PLACE4000247, PLACE4000250, PLACE4000259, PLACE4000300, PLACE4000387,  
 PLACE4000431, PLACE4000487, PLACE4000494, PLACE4000522, PLACE4000548, PLACE4000581,  
 PLACE4000593, PLACE4000650, THYRO1000156, THYRO1000327, THYRO1000394, THYRO1000395,  
 35 THYRO1000570, THYRO1000748, THYRO1000756, THYRO1000783, THYRO1001134, THYRO1001271,  
 THYRO1001287, THYRO1001320, THYRO1001401, THYRO1001534, THYRO1001537, THYRO1001541,  
 THYRO1001828, Y79AA1000258, Y79AA1000420, Y79AA1000469, Y79AA1000734, Y79AA1000800,  
 Y79AA1000976, Y79AA1001023, Y79AA1001177, Y79AA1001384, Y79AA1001394, Y79AA1001603,  
 Y79AA1001647, Y79AA1001846, Y79AA1001874, Y79AA1002139, Y79AA1002246, Y79AA1002351,  
 40 Y79AA1002399, Y79AA1002416,  
 [0276] The following 141 clones are categorized into glycoproteins-associated proteins.  
 HEMBA1000156, HEMBA1000518, HEMBA1000852, HEMBA1001071, HEMBA1001286, HEMBA1001661,  
 HEMBA1001734, HEMBA1001866, HEMBA1003071, HEMBA1003077, HEMBA1003281, HEMBA1003538,  
 HEMBA1003679, HEMBA1003866, HEMBA1005576, HEMBA1005581, HEMBA1005699, HEMBA1006038,  
 45 HEMBA1006976, HEMBA1007301, HEMBB1000317, HEMBB1000915, HEMBB1001871, HEMBB1001872,  
 HEMBB1002193, MAMMA1000672, MAMMA1000897, MAMMA1001030, MAMMA1001388, MAMMA1002329,  
 MAMMA1002428, MAMMA1002573, MAMMA1003150, NT2RM1000648, NT2RM1001115, NT2RM2000260,  
 NT2RM2000407, NT2RM2000422, NT2RM2000490, NT2RM2001499, NT2RM2001659, NT2RM2001930,  
 NT2RM4000820, NT2RM4000857, NT2RM4001810, NT2RM4001813, NT2RM4001987, NT2RM4002145,  
 50 NT2RM4002189, NT2RM4002251, NT2RM4002460, NT2RM4002558, NT2RP1000677, NT2RP1000782,  
 NT2RP1000856, NT2RP1001546, NT2RP2000056, NT2RP2000070, NT2RP2001295, NT2RP2001378,  
 NT2RP2001597, NT2RP2001991, NT2RP2002025, NT2RP2002078, NT2RP2002385, NT2RP2004587,  
 NT2RP2004732, NT2RP2005531, NT2RP3000207, NT2RP3000531, NT2RP3000825, NT2RP3001140,  
 NT2RP3002810, NT2RP3003672, NT2RP3003701, NT2RP3003716, NT2RP3003914, NT2RP3004148,  
 55 NT2RP4000212, NT2RP4000417, NT2RP4000724, NT2RP4000817, NT2RP4000925, NT2RP4001150,  
 NT2RP4001372, NT2RP4001730, NT2RP4001822, NT2RP4001823, NT2RP5003522, OVARC1000091,  
 OVARC1000288, OVARC1000682, OVARC1001055, OVARC1001506, OVARC1001713, OVARC1002127,  
 PLACE1000213, PLACE1000401, PLACE1002437, PLACE1002583,

PLACE1002722, PLACE1003045, PLACE1003238, PLACE1003258, PLACE1003493, PLACE1004197,  
 PLACE1004793, PLACE1005953, PLACE1005955, PLACE1006157, PLACE1006239, PLACE1006368,  
 PLACE1006534, PLACE1006754, PLACE1006956, PLACE1007416, PLACE1007632, PLACE1007649,  
 PLACE1008643, PLACE1009094, PLACE1009992, PLACE1010231, PLACE1010662, PLACE1011371,  
 5 PLACE2000034, PLACE2000373, PLACE2000398, PLACE2000399, PLACE2000438, PLACE2000458,  
 PLACE3000339, PLACE4000063, PLACE4000230, PLACE4000522, PLACE4000548, PLACE4000581,  
 THYRO1000327, THYRO1000756, THYRO1001287, Y79AA1001603, Y79AA1001874

[0277] The following 129 clones are categorized into signal transduction-associated proteins.

HEMBA1000303, HEMBA1000369, HEMBA1000608, HEMBA1000657, HEMBA1000919, HEMBA1001019,  
 10 HEMBA1001174, HEMBA1001822, HEMBA1001921, HEMBA1002139, HEMBA1002212, HEMBA1002341,  
 HEMBA1002417, HEMBA1002768, HEMBA1003250, HEMBA1003291, HEMBA1003645, HEMBA1004286,  
 HEMBA1005737, HEMBA1006130, HEMBA1006708, HEMBB1000083, HEMBB1000266, HEMBB1000632,  
 HEMBB1000781, HEMBB1000831, HEMBB1002193, MAMMA1000173, MAMMA1001038, MAMMA1001198,  
 MAMMA1002842, MAMMA1003057, NT2RM1000702, NT2RM1000772, NT2RM1001072, NT2RM2000030,  
 15 NT2RM2000469, NT2RM2000612, NT2RM2001221, NT2RM2001345, NT2RM2002128, NT2RM4000229,  
 NT2RM4000354, NT2RM4000611, NT2RM4000798, NT2RM4001411, NT2RM4001412, NT2RM4001629,  
 NT2RM4001758, NT2RM4002013, NT2RM4002527, NT2RP1000018, NT2RP1000701, NT2RP1001294,  
 NT2RP1001302, NT2RP2000668, NT2RP2001440, NT2RP2001560, NT2RP2002058, NT2RP2002193,  
 NT2RP2002408, NT2RP2002710, NT2RP2002929, NT2RP2003164, NT2RP2003912, NT2RP2004232,  
 20 NT2RP2004768, NT2RP2006071, NT2RP2006534, NT2RP3000759, NT2RP3000845, NT2RP3001646,  
 NT2RP3001857, NT2RP3001938, NT2RP3002004, NT2RP3002785, NT2RP3002909, NT2RP3002988,  
 NT2RP3003800, NT2RP3004189, NT2RP3004544, NT2RP4000147, NT2RP4000839, NT2RP4001122,  
 NT2RP4001148, NT2RP4001336, NT2RP4001375, NT2RP4001644, NT2RP4001725, NT2RP4001849,  
 NT2RP4001896, NT2RP4001927, NT2RP4002408, NT2RP5003477, OVARC1000013, OVARC1000437,  
 25 OVARC1000556, OVARC1000649, OVARC1000945, OVARC1001200, OVARC1002182, PLACE1000977,  
 PLACE1001387, PLACE1002493, PLACE1002591, PLACE1003190, PLACE1003353, PLACE1004128,  
 PLACE1004302, PLACE1004937, PLACE1005243, PLACE1008000, PLACE1008244, PLACE1008650,  
 PLACE1009468, PLACE1009596, PLACE1009708, PLACE1009845, PLACE1010926, PLACE1011041,  
 PLACE2000164, PLACE2000371, PLACE3000145, PLACE3000350, THYRO1000072, THYRO1000748,  
 30 THYRO1001120, Y79AA1000328, Y79AA1002431

[0278] The following 309 clones are categorized into transcription-associated proteins.

HEMBA1000158, HEMBA1000201, HEMBA1000216, HEMBA1000555, HEMBA1000561, HEMBA1000851,  
 HEMBA1001077, HEMBA1001137, HEMBA1001405, HEMBA1001510, HEMBA1001635, HEMBA1001804,  
 HEMBA1001809, HEMBA1001819, HEMBA1001847, HEMBA1001869, HEMBA1002035, HEMBA1002092,  
 35 HEMBA1002177, HEMBA1002770, HEMBA1002935, HEMBA1003408, HEMBA1003545, HEMBA1003568,  
 HEMBA1003662, HEMBA1003684, HEMBA1003760, HEMBA1003953, HEMBA1004097, HEMBA1004321,  
 HEMBA1004353, HEMBA1004389, HEMBA1004479, HEMBA1004758, HEMBA1004973, HEMBA1005219,  
 HEMBA1005359, HEMBA1005513, HEMBA1005528, HEMBA1005548, HEMBA1005558, HEMBA1005931,  
 HEMBA1006158, HEMBA1006248, HEMBA1006278, HEMBA1006283, HEMBA1006347, HEMBA1006359,  
 40 HEMBA1006559, HEMBA1006941, HEMBB1000789, HEMBB1001011, HEMBB1001314, HEMBB1001482,  
 HEMBB1001673, HEMBB1001749, HEMBB1001839, HEMBB1001908, HEMBB1002134, HEMBB1002217,  
 HEMBB1002342, HEMBB1002607, MAMMA1000183, MAMMA1000388, MAMMA1001105, MAMMA1001222,  
 MAMMA1001260, MAMMA1001627, MAMMA1001633, MAMMA1001743, MAMMA1001820, MAMMA1001837,  
 MAMMA1002617, MAMMA1002650, MAMMA1002937, NT2RM1000055, NT2RM1000086, NT2RM1000746,  
 45 NT2RM1000885, NT2RM1000894, NT2RM1001092, NT2RM2000013, NT2RM2000452, NT2RM2000735,  
 NT2RM2000740, NT2RM2001035, NT2RM2001105, NT2RM2001575, NT2RM2001670, NT2RM2001716,  
 NT2RM2001771, NT2RM2002091, NT2RM4000024, NT2RM4000046, NT2RM4000104, NT2RM4000202,  
 NT2RM4000531, NT2RM4000595, NT2RM4000733, NT2RM4000734,  
 NT2RM4000741, NT2RM4000751, NT2RM4000996, NT2RM4001092, NT2RM4001140, NT2RM4001200,  
 50 NT2RM4001483, NT2RM4001592, NT2RM4001783, NT2RM4001823, NT2RM4001828, NT2RM4001858,  
 NT2RM4001979, NT2RM4002066, NT2RP1000086, NT2RP1000111, NT2RP1000574, NT2RP1000902,  
 NT2RP1001013, NT2RP2000008, NT2RP2000126, NT2RP2000297, NT2RP2000420, NT2RP2001174,  
 NT2RP2001233, NT2RP2001756, NT2RP2001869, NT2RP2002046, NT2RP2002252, NT2RP2002270,  
 NT2RP2002464, NT2RP2002503, NT2RP2002520, NT2RP2002591, NT2RP2002880, NT2RP2002939,  
 55 NT2RP2002993, NT2RP2003243, NT2RP2003329, NT2RP2003347, NT2RP2003480, NT2RP2003522,  
 NT2RP2003564, NT2RP2003714, NT2RP2004013, NT2RP2004066, NT2RP2004187, NT2RP2004920,  
 NT2RP2004961, NT2RP2005003, NT2RP2005139, NT2RP2005325, NT2RP2005496, NT2RP2005701,  
 NT2RP2005722, NT2RP2005776, NT2RP2005942, NT2RP2006238, NT2RP2006436, NT2RP3000050,

EP 1 074 617 A2

	NT2RP3000320,	NT2RP3000512,	NT2RP3000527,	NT2RP3000590,	NT2RP3000603,	NT2RP3000605,
	NT2RP3000632,	NT2RP3001057,	NT2RP3001107,	NT2RP3001111,	NT2RP3001120,	NT2RP3001150,
	NT2RP3001268,	NT2RP3001338,	NT2RP3001398,	NT2RP3001527,	NT2RP3001688,	NT2RP3001855,
	NT2RP3002165,	NT2RP3002399,	NT2RP3002876,	NT2RP3003133,	NT2RP3003193,	NT2RP3003251,
5	NT2RP3003313,	NT2RP3003327,	NT2RP3003555,	NT2RP3004016,	NT2RP3004125,	NT2RP3004242,
	NT2RP3004428,	NT2RP3004498,	NT2RP3004566,	NT2RP3004617,	NT2RP4000210,	NT2RP4000398,
	NT2RP4000455,	NT2RP4000648,	NT2RP4000837,	NT2RP4000865,	NT2RP4000997,	NT2RP4001029,
	NT2RP4001080,	NT2RP4001213,	NT2RP4001433,	NT2RP4001529,	NT2RP4001551,	NT2RP4001568,
	NT2RP4001638,	NT2RP4001753,	NT2RP4001760,	NT2RP4001790,	NT2RP4001838,	NT2RP4001938,
10	NT2RP4002078,	NT2RP4002081,	NT2RP5003461,	OVARC1000151,	OVARC1000241,	OVARC1000479,
	OVARC1001271,	OVARC1001417,	OVARC1001436,	PLACE1000133,	PLACE1000583,	PLACE1000706,
	PLACE1000786,	PLACE1000979,	PLACE1001118,	PLACE1001238,	PLACE1001294,	PLACE1001304,
	PLACE1001383,	PLACE1001602,	PLACE1001632,	PLACE1002171,	PLACE1002438,	PLACE1002450,
	PLACE1002532,	PLACE1002775,	PLACE1002834,	PLACE1003302,	PLACE1003605,	PLACE1003738,
15	PLACE1003885,	PLACE1004471,	PLACE1005584,	PLACE1005803,	PLACE1005966,	PLACE1006167,
	PLACE1006318,	PLACE1006438,	PLACE1006482,	PLACE1007239,	PLACE1007346,	PLACE1007488,
	PLACE1007547,	PLACE1007598,	PLACE1007955,	PLACE1008132,	PLACE1008201,	PLACE1009099,
	PLACE1009246,	PLACE1009308,	PLACE1009398,	PLACE1009798,	PLACE1010134,	PLACE1010702,
	PLACE1010771,	PLACE1010870,	PLACE1011160,	PLACE1011433,	PLACE1011576,	PLACE3000009,
20	PLACE3000169,	PLACE3000254,	PLACE4000128,	PLACE4000156,	PLACE4000192,	PLACE4000211,
	PLACE4000261,	PLACE4000450,	PLACE4000489,	THYRO1000085,	THYRO1000121,	THYRO1000242,
	THYRO1000488,	THYRO1000501,	THYRO1000569,	THYRO 1001100,	THYRO1001189,	THYRO1001809,
	Y79AA1000013,	Y79AA1000033,	Y79AA1000037,	Y79AA1000342,	Y79AA1000627,	Y79AA1000705,
	Y79AA1001299,	Y79AA1001312,	Y79AA1001391,	Y79AA1001533,	Y79AA1001613,	Y79AA1001866,
25	Y79AA1002103,	Y79AA1002229,	Y79AA1002433,	Y79AA1002472,	Y79AA1002482,	
[0279] The following 392 clones are categorized into disease-associated proteins.						
	HEMBA1000020,	HEMBA1000216,	HEMBA1000304,	HEMBA1000561,	HEMBA1000569,	HEMBA1000910,
	HEMBA1001043,	HEMBA1001059,	HEMBA1001071,	HEMBA1001088,	HEMBA1001569,	HEMBA1001661,
	HEMBA1001672,	HEMBA1001819,	HEMBA1001921,	HEMBA1002267,	HEMBA1002419,	HEMBA1002469,
30	HEMBA1002547,	HEMBA1002555,	HEMBA1002810,	HEMBA1002939,	HEMBA1002997,	HEMBA1003148,
	HEMBA1003369,	HEMBA1003417,	HEMBA1003418,	HEMBA1003433,	HEMBA1003538,	HEMBA1003555,
	HEMBA1003568,	HEMBA1003569,	HEMBA1003581,	HEMBA1004168,	HEMBA1004202,	HEMBA1004248,
	HEMBA1004275,	HEMBA1004321,	HEMBA1004353,	HEMBA1004356,	HEMBA1004479,	HEMBA1004509,
	HEMBA1004669,	HEMBA1005009,	HEMBA1005338,	HEMBA1005367,	HEMBA1005423,	HEMBA1005528,
35	HEMBA1005581,	HEMBA1005621,	HEMBA1005699,	HEMBA1006507,	HEMBA1006650,	HEMBA1006652,
	HEMBA1006737,	HEMBA1006807,	HEMBA1006877,	HEMBA1007121,	HEMBA1007243,	HEMBA1007119,
	HEMBA100693,	HEMBA1000927,	HEMBA1000985,	HEMBA1001068,	HEMBA1001282,	HEMBA1001339,
	HEMBA1001482,	HEMBA1001564,	HEMBA1001802,	HEMBA1001905,	HEMBA1001908,	HEMBA1002217,
	HEMBA1002477,	MAMMA1000388,	MAMMA1000731,	MAMMA1001305,	MAMMA1001633,	MAMMA1001868,
40	MAMMA1002170,	MAMMA1002198,	MAMMA1002268,	MAMMA1002485,	MAMMA1002530,	MAMMA1002858,
	MAMMA1002869,	MAMMA1002881,	MAMMA1003047,	MAMMA1003146,	MAMMA1003166,	NT2RM1000001,
	NT2RM1000153,	NT2RM1000252,	NT2RM1000555,	NT2RM1000770,	NT2RM1000826,	NT2RM1000850,
	NT2RM1001003,	NT2RM1001092,	NT2RM1001102,	NT2RM2000191,		
	NT2RM2000363,	NT2RM2000594,	NT2RM2000624,	NT2RM2000714,	NT2RM2000821,	NT2RM2001035,
45	NT2RM2001575,	NT2RM2001652,	NT2RM2001664,	NT2RM2001668,	NT2RM2001698,	NT2RM2001803,
	NT2RM2001839,	NT2RM4000155,	NT2RM4000471,	NT2RM4000486,	NT2RM4000657,	NT2RM4000751,
	NT2RM4000996,	NT2RM4001629,	NT2RM4001810,	NT2RM4001819,	NT2RM4001865,	NT2RM4001876,
	NT2RM4001940,	NT2RM4002066,	NT2RM4002093,	NT2RM4002146,	NT2RM4002161,	NT2RM4002323,
	NT2RM4002558,	NT2RM4002571,	NT2RP1000086,	NT2RP1000574,	NT2RP1000738,	NT2RP1000825,
50	NT2RP1000833,	NT2RP1000959,	NT2RP1000966,	NT2RP1001013,	NT2RP1001185,	NT2RP1001482,
	NT2RP1001665,	NT2RP2000070,	NT2RP2000147,	NT2RP2000224,	NT2RP2000248,	NT2RP2000297,
	NT2RP2000310,	NT2RP2000414,	NT2RP2000420,	NT2RP2000523,	NT2RP2000809,	NT2RP2000812,
	NT2RP2001233,	NT2RP2001327,	NT2RP2001378,	NT2RP2001394,	NT2RP2001397,	NT2RP2001460,
	NT2RP2001520,	NT2RP2001536,	NT2RP2001876,	NT2RP2001898,	NT2RP2002025,	NT2RP2002058,
55	NT2RP2002124,	NT2RP2002325,	NT2RP2002503,	NT2RP2002959,	NT2RP2003000,	NT2RP2003157,
	NT2RP2003164,	NT2RP2003228,	NT2RP2003295,	NT2RP2003517,	NT2RP2003564,	NT2RP2003604,
	NT2RP2003714,	NT2RP2003737,	NT2RP2003952,	NT2RP2004013,	NT2RP2004170,	NT2RP2004587,
	NT2RP2004732,	NT2RP2004933,	NT2RP2005003,	NT2RP2005144,	NT2RP2005239,	NT2RP2005276,

	NT2RP2005288,	NT2RP2005315,	NT2RP2005325,	NT2RP2005336,	NT2RP2005358,	NT2RP2005407,
	NT2RP2005436,	NT2RP2005476,	NT2RP2005525,	NT2RP2005694,	NT2RP2005719,	NT2RP2006043,
	NT2RP2006071,	NT2RP2006219,	NT2RP2006312,	NT2RP2006456,	NT2RP3000050,	NT2RP3000068,
	NT2RP3000085,	NT2RP3000299,	NT2RP3000403,	NT2RP3000596,	NT2RP3000739,	NT2RP3000753,
5	NT2RP3000875,	NT2RP3001057,	NT2RP3001081,	NT2RP3001216,	NT2RP3001307,	NT2RP3001338,
	NT2RP3001427,	NT2RP3001428,	NT2RP3001679,	NT2RP3001723,	NT2RP3001855,	NT2RP3001898,
	NT2RP3001969,	NT2RP3002056,	NT2RP3002062,	NT2RP3002151,	NT2RP3002351,	NT2RP3002399,
	NT2RP3002953,	NT2RP3002988,	NT2RP3003078,	NT2RP3003251,	NT2RP3003282,	NT2RP3003313,
	NT2RP3003327,	NT2RP3003409,	NT2RP3003672,	NT2RP3003831,	NT2RP3004016,	NT2RP3004078,
10	NT2RP3004209,	NT2RP3004258,	NT2RP3004490,	NT2RP3004534,	NT2RP3004569,	NT2RP3004572,
	NT2RP4000109,	NT2RP4000367,	NT2RP4000376,	NT2RP4000449,	NT2RP4000855,	NT2RP4000879,
	NT2RP4000925,	NT2RP4001086,	NT2RP4001126,	NT2RP4001150,	NT2RP4001213,	NT2RP4001276,
	NT2RP4001407,	NT2RP4001433,	NT2RP4001483,	NT2RP4001575,	NT2RP4001760,	NT2RP4001861,
	NT2RP4002078,	NT2RP4002791,	OVARC1000014,	OVARC1000139,	OVARC1000520,	OVARC1000722,
15	OVARC1000771,	OVARC1000834,	OVARC1001051,	OVARC1001113,	OVARC1001244,	OVARC1001372,
	OVARC1001417,	OVARC1001496,	OVARC1001506,	OVARC1001577,	OVARC1001726,	OVARC1001766,
	OVARC1001809,	OVARC1002165,	PLACE1000133,	PLACE1000383,	PLACE1000420,	PLACE1000583,
	PLACE1000588,	PLACE1001171,	PLACE1001387,	PLACE1001602,	PLACE1002046,	PLACE1002140,
	PLACE1002474,	PLACE1002474,	PLACE1002685,	PLACE1002782,	PLACE1002834,	PLACE1002908,
20	PLACE1003045,	PLACE1003302,	PLACE1003353,	PLACE1003366,	PLACE1003493,	PLACE1003669,
	PLACE1003704,	PLACE1003903,	PLACE1003968,	PLACE1004183,	PLACE1004197,	PLACE1004277,
	PLACE1004316,	PLACE1004358,	PLACE1004471,	PLACE1004506,	PLACE1004510,	PLACE1004674,
	PLACE1004777,	PLACE1004814,	PLACE1005494,	PLACE1006040,	PLACE1006170,	PLACE1006438,
	PLACE1006615,	PLACE1007140,	PLACE1007239,	PLACE1007257,	PLACE1007511,	PLACE1007598,
25	PLACE1008177,	PLACE1008356,	PLACE1008402,	PLACE1008696,	PLACE1009027,	PLACE1009113,
	PLACE1009158,	PLACE1009444,	PLACE1009524,	PLACE1010529,	PLACE1010870,	PLACE1010896,
	PLACE1011635,	PLACE1011858,	PLACE1011922,	PLACE2000015,	PLACE2000072,	PLACE2000216,
	PLACE2000399,	PLACE2000438,	PLACE2000458,	PLACE3000242,	PLACE4000009,	PLACE4000014,
	PLACE4000156,	PLACE4000369,	SKNMC1000046,	SKNMC1000050,	THYRO1000034,	THYRO1000327,
30	THYRO1000343,	THYRO1000358,	THYRO1000501,	THYRO1000662,	THYRO1000684,	THYRO1000748,
	THYRO1000934,	THYRO1001120,	THYRO1001189,	THYRO1001204,	THYRO1001458,	THYRO1001617,
	THYRO1001671,	Y79AA1000346,	Y79AA1000469,	Y79AA1000560,	Y79AA1000734,	Y79AA1000782,
	Y79AA1001391,	Y79AA1001548,	Y79AA1001594,	Y79AA1001711,	Y79AA1001874,	Y79AA1002204,
	Y79AA1002210,	Y79AA1002258,	Y79AA1002472,	Y79AA1002482,		
35	[0280] Among them, Swiss-Prot database search and GenBank or UniGene database search revealed that the following 380 clones matched the data of genes or proteins which had been registered in the database of Online Mendelian Inheritance in Man (OMIM) ( <a href="http://www.ncbi.nlm.nih.gov/Omim/">http://www.ncbi.nlm.nih.gov/Omim/</a> ), which is a database of human genes and diseases. (The corresponding OMIM numbers are parenthetically indicated following the clone names.)					
	HEMBB1000985(147485),	HEMBB1001068(603142),	HEMBB1001282(182900),	HEMBB1001339(300080),		
40	HEMBB1001482(603971),	HEMBB1001564(603931),	HEMBB1001802(125660),	HEMBB1001905(190370),		
	HEMBB1001908(601408),	HEMBB1002217(603971),	HEMBB1002477(604439),	MAMMA1000388(604865),		
	MAMMA1000731(602118),	MAMMA1001305(602732),	MAMMA1001633(600834),	MAMMA1001868(190370),		
	MAMMA1002170(603624),	MAMMA1002198(600538),	MAMMA1002268(603730),	MAMMA1002485(603665),		
	MAMMA1002530(603602),	MAMMA1002858(601064),	MAMMA1002869(602567),	MAMMA1002881(602692),		
45	MAMMA1003047(603566),	MAMMA1003146(603094),	MAMMA1003166(604061),	NT2RM1000001(601169),		
	NT2RM1000153(600417),	NT2RM1000252(604108),	NT2RM1000555(191510),	NT2RM1000770(300061),		
	NT2RM1000826(191510),	NT2RM1000850(182900),	NT2RM1001003(604785),	NT2RM1001092(603971),		
	NT2RM1001102(604533),	NT2RM2000191(602973),	NT2RM2000363(151410),	NT2RM2000594(602900),		
	NT2RM2000624(601940),	NT2RM2000714(179555),	NT2RM2000821(600959),	NT2RM2001035(604913),		
50	NT2RM2001575(109092),	NT2RM2001652(604141),	NT2RM2001664(603722),	NT2RM2001668(602952),		
	NT2RM2001698(604327),	NT2RM2001803(603722),	NT2RM2001839(603420),	NT2RM4000155(187790),		
	NT2RM4000471(603485),	NT2RM4000486(168730),	NT2RM4000657(602142),	NT2RM4000751(602277),		
	NT2RM4000996(603971),	NT2RM4001629(601114),	NT2RM4001810(155760),	NT2RM4001819(176873),		
	NT2RM4001876(179555),	NT2RM4001940(603887),	NT2RM4002066(300188),	NT2RM4002093(600693),		
55	NT2RM4002146(602603),	NT2RM4002161(254780),	NT2RM4002558(604194),	NT2RM4002571(602274),		
	NT2RP1000086(602219),	NT2RP1000574(601740),	NT2RP1000825(602732),	NT2RP1000833(602973),		
	NT2RP1000959(180510),	NT2RP1000966(164035),	NT2RP1001013(194558),	NT2RP1001185(243500),		
	NT2RP1001482(600586),	NT2RP1001665(114180),	NT2RP2000070(600976),	NT2RP2000147(603535),		

EP 1 074 617 A2

	NT2RP2000248(603367),	NT2RP2000297(602277),	NT2RP2000310(239500),	NT2RP2000414(601037),
	NT2RP2000420(600834),	NT2RP2000523(600130),	NT2RP2000809(603885),	NT2RP2000812(160777),
	NT2RP2001233(603971),	NT2RP2001327(191161),	NT2RP2001378(158370),	NT2RP2001394(300208),
	NT2RP2001397(602755),	NT2RP2001460(190370),	NT2RP2001520(603667),	NT2RP2001536(600675),
5	NT2RP2001876(601833),	NT2RP2001898(147264),	NT2RP2002025(601581),	NT2RP2002058(604737),
	NT2RP2002124(603486),	NT2RP2002325(603866),	NT2RP2002503(601781),	NT2RP2002959(602962),
	NT2RP2003000(191161),	NT2RP2003157(601940),	NT2RP2003164(604746),	NT2RP2003228(602638),
	NT2RP2003295(603494),	NT2RP2003517(190040),	NT2RP2003564(109092),	NT2RP2003604(604785),
	NT2RP2003714(603971),	NT2RP2003737(602962),	NT2RP2003952(602675),	NT2RP2004013(602542),
10	NT2RP2004170(300196),	NT2RP2004587(162250),	NT2RP2004732(162250),	NT2RP2004933(603289),
	NT2RP2005003(109092),	NT2RP2005144(604730),	NT2RP2005239(603485),	NT2RP2005276(602371),
	NT2RP2005288(603524),	NT2RP2005315(604039),	NT2RP2005325(603759),	NT2RP2005336(190370),
	NT2RP2005358(603573),	NT2RP2005407(167040),	NT2RP2005436(601940),	NT2RP2005476(602680),
	NT2RP2005525(602655),	NT2RP2005719(601178),	NT2RP2006043(601940),	NT2RP2006071(604299),
15	NT2RP2006219(601279),	NT2RP2006312(603111),	NT2RP2006456(604619),	NT2RP3000050(603971),
	NT2RP3000068(182530),	NT2RP3000085(300032),	NT2RP3000299(602941),	NT2RP3000403(604981),
	NT2RP3000596(190370),	NT2RP3000739(125370),	NT2RP3000753(162230),	NT2RP3001057(603971),
	NT2RP3001081(603524),	NT2RP3001216(603121),	NT2RP3001307(180069),	NT2RP3001338(314998),
	NT2RP3001428(189940),	NT2RP3001723(604569),	NT2RP3001855(602100),	NT2RP3001898(604561),
20	NT2RP3001969(190370),	NT2RP3002056(180201),	NT2RP3002062(603885),	NT2RP3002151(139259),
	NT2RP3002351(604887),	NT2RP3002399(602638),	NT2RP3002953(604967),	NT2RP3002988(603258),
	NT2RP3003251(109092),	NT2RP3003282(602378),	NT2RP3003313(603810),	NT2RP3003409(604533),
	NT2RP3003672(313470),	NT2RP3003831(604051),	NT2RP3004016(601742),	NT2RP3004078(142765),
	NT2RP3004209(125255),	NT2RP3004258(604347),	NT2RP3004490(603328),	NT2RP3004534(600586),
25	NT2RP3004569(106410),	NT2RP3004572(604912),	NT2RP4000109(603745),	NT2RP4000367(603722),
	NT2RP4000376(603873),	NT2RP4000449(604479),	NT2RP4000855(602675),	NT2RP4000879(314370),
	NT2RP4000925(600245),	NT2RP4001086(162230),	NT2RP4001126(190370),	NT2RP4001150(601581),
	NT2RP4001213(602277),	NT2RP4001276(190370),	NT2RP4001407(190370),	NT2RP4001433(602277),
	NT2RP4001483(203740),	NT2RP4001575(603443),	NT2RP4001760(305400),	NT2RP4001861(190370),
30	NT2RP4002078(603971),	NT2RP4002791(189940),	OVARC1000014(603371),	OVARC1000139(603486),
	OVARC1000520(604126),	OVARC1000722(604014),	OVARC1000771(179509),	OVARC1001051(600051),
	OVARC1001113(602121),	OVARC1001244(601540),	OVARC1001372(603145),	OVARC1001417(300182),
	OVARC1001496(602619),	OVARC1001506(601313),	OVARC1001577(603269),	OVARC1001726(300103),
	OVARC1001766(603910),	OVARC1001809(603730),	PLACE1000133(602542),	PLACE1000383(300171),
35	PLACE1000420(600312),	PLACE1000583(194558),	PLACE1000588(600411),	PLACE1001171(310400),
	PLACE1001387(600206),	PLACE1001602(604913),	PLACE1002046(151625),	PLACE1002140(603748),
	PLACE1002437(600046),	PLACE1002474(602108),	PLACE1002685(604515),	PLACE1002782(602095),
	PLACE1002834(194558),	PLACE1002908(604327),	PLACE1003045(173910),	PLACE1003302(194558),
	PLACE1003353(604704),	PLACE1003366(603681),	PLACE1003493(601456),	PLACE1003669(190370),
40	PLACE1003704(601940),	PLACE1003903(123860),	PLACE1003968(602742),	PLACE1004183(604701),
	PLACE1004197(601610),	PLACE1004277(603493),	PLACE1004316(604261),	PLACE1004358(603272),
	PLACE1004471(194558),	PLACE1004506(603450),	PLACE1004510(604912),	PLACE1004674(601057),
	PLACE1004777(118423),	PLACE1004814(601940),	PLACE1005494(603652),	PLACE1006040(603061),
	PLACE1006170(601026),	PLACE1006438(600834),	PLACE1006615(603910),	PLACE1007140(190370),
45	PLACE1007239(604784),	PLACE1007257(300108),	PLACE1007511(148020),	PLACE1007598(602277),
	PLACE1008177(190370),	PLACE1008356(604039),	PLACE1008402(603344),	PLACE1008696(602141),
	PLACE1009027(300121),	PLACE1009113(600675),	PLACE1009158(604140),	PLACE1009444(600286),
	PLACE1009524(602488),	PLACE1010529(604834),	PLACE1010870(603971),	PLACE1010896(160776),
	PLACE1011635(604058),	PLACE1011858(603882),	PLACE1011922(160776),	PLACE2000015(600051),
50	PLACE2000072(603430),	PLACE2000216(182790),	PLACE2000399(313470),	PLACE2000438(602273),
	PLACE2000458(600976),	PLACE3000242(300132),	PLACE4000009(160776),	PLACE4000014(300032),
	PLACE4000156(603971),	PLACE4000369(603808),	SKNMC1000046(603144),	SKNMC1000050(114230),
	THYRO1000034(190370),	THYRO1000327(603243),	THYRO1000343(125370),	THYRO1000358(604188),
	THYRO1000501(109092),	THYRO1000662(278750),	THYRO1000684(603885),	THYRO1000748(300023),
55	THYRO1000934(179035),	THYRO1001120(602582),	THYRO1001189(603971),	THYRO1001204(603169),
	THYRO1001458(160776),	THYRO1001617(602744),	THYRO1001671(603281),	Y79AA1000346(604355),
	Y79AA1000469(602434),	Y79AA1000560(601026),	Y79AA1000734(603867),	Y79AA1000782(600417),
	Y79AA1001391(142959),	Y79AA1001548(600286),	Y79AA1001594(600936),	Y79AA1001711(600063),

EP 1 074 617 A2

Y79AA1001874(600315), Y79AA1002204(605033), Y79AA1002210(191161), Y79AA1002472(603971),  
Y79AA1002482(603971),

[0281] The following 425 clones presumably belong to enzymes and/or metabolism-associated proteins.

	HEMBA1000012,	HEMBA1000129,	HEMBA1000141,	HEMBA1000150,	HEMBA1000542,	HEMBA1000852,
5	HEMBA1001019,	HEMBA1001257,	HEMBA1001526,	HEMBA1001620,	HEMBA1001866,	HEMBA1001896,
	HEMBA1002212,	HEMBA1002513,	HEMBA1002746,	HEMBA1002973,	HEMBA1003046,	HEMBA1003136,
	HEMBA1003179,	HEMBA1003250,	HEMBA1003291,	HEMBA1003408,	HEMBA1003538,	HEMBA1003679,
	HEMBA1003680,	HEMBA1004199,	HEMBA1004227,	HEMBA1004408,	HEMBA1004509,	HEMBA1004734,
	HEMBA1004768,	HEMBA1005394,	HEMBA1005513,	HEMBA1005737,	HEMBA1005815,	HEMBA1006031,
10	HEMBA1006272,	HEMBA1006278,	HEMBA1006291,	HEMBA1006309,	HEMBA1006347,	HEMBA1006485,
	HEMBA1006521,	HEMBA1006624,	HEMBA1006885,	HEMBA1006976,	HEMBA1007121,	HEMBA1007224,
	HEMBA1007243,	HEMBA1007300,	HEMBB1000083,	HEMBB1000217,	HEMBB1000915,	HEMBB1000947,
	HEMBB1001137,	HEMBB1001346,	HEMBB1001429,	HEMBB1001443,	HEMBB1001915,	HEMBB1001950,
	HEMBB1002042,	MAMMA1000020,	MAMMA1000085,	MAMMA1000672,	MAMMA1000713,	MAMMA1000841,
15	MAMMA1000897,	MAMMA1001008,	MAMMA1001038,	MAMMA1001059,	MAMMA1001476,	MAMMA1001501,
	MAMMA1002268,	MAMMA1002470,	MAMMA1002530,	MAMMA1002573,	MAMMA1002619,	MAMMA1002655,
	MAMMA1002671,	MAMMA1003013,	MAMMA1003035,	NT2RM1000039,	NT2RM1000132,	NT2RM1000153,
	NT2RM1000256,	NT2RM1000280,	NT2RM1000377,	NT2RM1000553,	NT2RM1000648,	NT2RM1000702,
	NT2RM1000894,	NT2RM1001072,	NT2RM1001115,	NT2RM2000013,	NT2RM2000092,	NT2RM2000322,
20	NT2RM2000368,	NT2RM2000371,	NT2RM2000469,	NT2RM2000504,	NT2RM2000577,	NT2RM2000594,
	NT2RM2000951,	NT2RM2001238,	NT2RM2001547,	NT2RM2001632,	NT2RM2001664,	NT2RM2001698,
	NT2RM2001700,	NT2RM2001730,	NT2RM2001782,	NT2RM2001803,	NT2RM2001886,	NT2RM2001935,
	NT2RM2001997,	NT2RM2002030,	NT2RM2002128,	NT2RM4000024,	NT2RM4000155,	NT2RM4000344,
	NT2RM4000471,	NT2RM4000616,	NT2RM4000657,	NT2RM4000712,	NT2RM4000820,	NT2RM4001313,
25	NT2RM4001316,	NT2RM4001444,	NT2RM4001592,	NT2RM4001758,	NT2RM4001819,	NT2RM4001880,
	NT2RM4002062,	NT2RM4002063,	NT2RM4002189,	NT2RM4002213,	NT2RM4002251,	NT2RM4002409,
	NT2RM4002532,	NT2RM4002623,	NT2RP1000376,	NT2RP1000443,	NT2RP1000522,	NT2RP1000834,
	NT2RP1000947,	NT2RP1001079,	NT2RP1001185,	NT2RP1001253,	NT2RP1001361,	NT2RP1001543,
	NT2RP2000056,	NT2RP2000114,	NT2RP2000183,	NT2RP2000248,	NT2RP2000329,	NT2RP2000422,
30	NT2RP2000448,	NT2RP2000668,	NT2RP2000710,	NT2RP2000816,	NT2RP2001070,	NT2RP2001392,
	NT2RP2001601,	NT2RP2001663,	NT2RP2001740,	NT2RP2001748,	NT2RP2001898,	NT2RP2002124,
	NT2RP2002256,	NT2RP2002609,	NT2RP2002618,	NT2RP2002959,	NT2RP2002993,	NT2RP2003230,
	NT2RP2003286,	NT2RP2003401,	NT2RP2003506,	NT2RP2003543,	NT2RP2003643,	NT2RP2003702,
	NT2RP2003704,	NT2RP2003713,	NT2RP2003737,	NT2RP2003840,	NT2RP2003912,	NT2RP2003952,
35	NT2RP2004098,	NT2RP2004239,	NT2RP2004245,	NT2RP2004768,	NT2RP2004791,	NT2RP2004799,
	NT2RP2004933,	NT2RP2005038,	NT2RP2005139,	NT2RP2005162,	NT2RP2005204,	NT2RP2005239,
	NT2RP2005276,	NT2RP2005344,	NT2RP2005360,	NT2RP2005457,	NT2RP2005498,	NT2RP2005549,
	NT2RP2005557,	NT2RP2005605,	NT2RP2005635,	NT2RP2005723,	NT2RP2005773,	NT2RP2005775,
	NT2RP2005776,	NT2RP2005784,	NT2RP2005835,	NT2RP2005942,	NT2RP2006534,	NT2RP2006571,
40	NT2RP2006573,	NT2RP3000031,	NT2RP3000085,	NT2RP3000207,	NT2RP3000359,	NT2RP3000578,
	NT2RP3000742,	NT2RP3000845,	NT2RP3000875,	NT2RP3000917,	NT2RP3001055,	NT2RP3001221,
	NT2RP3001495,	NT2RP3001898,	NT2RP3001938,	NT2RP3002303,	NT2RP3002351,	NT2RP3002501,
	NT2RP3002602,	NT2RP3002628,	NT2RP3002663,	NT2RP3003301,	NT2RP3003385,	NT2RP3003490,
	NT2RP3003659,	NT2RP3003825,	NT2RP3003831,	NT2RP3003846,	NT2RP3003914,	NT2RP3004148,
45	NT2RP3004209,	NT2RP3004378,	NT2RP3004669,	NT2RP3004670,	NT2RP4000259,	NT2RP4000312,
	NT2RP4000367,	NT2RP4000417,	NT2RP4000457,	NT2RP4000657,	NT2RP4000817,	NT2RP4000855,
	NT2RP4000879,	NT2RP4000927,	NT2RP4000973,	NT2RP4000997,	NT2RP4001041,	NT2RP4001079,
	NT2RP4001095,	NT2RP4001143,	NT2RP4001219,	NT2RP4001375,	NT2RP4001389,	NT2RP4001483,
	NT2RP4001555,	NT2RP4001592,	NT2RP4001644,	NT2RP4001730,	NT2RP4001946,	NT2RP4002408,
50	NT2RP5003500,	NT2RP5003522,	OVARC1000013,	OVARC1000060,	OVARC1000139,	OVARC1000288,
	OVARC1000309,	OVARC1000473,	OVARC1000556,	OVARC1000682,	OVARC1000722,	OVARC1000751,
	OVARC1000885,	OVARC1000915,	OVARC1001107,	OVARC1001713,	OVARC1001762,	OVARC1001809,
	OVARC1001942,	OVARC1002156,	OVARC1002165,	PLACE1000007,	PLACE1000142,	PLACE1000185,
	PLACE1000213,	PLACE1000383,	PLACE1000420,	PLACE1000547,	PLACE1000653,	PLACE1000755,
55	PLACE1001054,	PLACE1001062,	PLACE1001672,	PLACE1001692,	PLACE1001748,	PLACE1001781,
	PLACE1001817,	PLACE1001869,	PLACE1001989,	PLACE1002073,	PLACE1002598,	PLACE1002908,
	PLACE1002991,	PLACE1003174,	PLACE1003176,	PLACE1003709,	PLACE1003885,	PLACE1003888,
	PLACE1003903,	PLACE1003915,	PLACE1004270,	PLACE1004428,	PLACE1004437,	PLACE1004751,

# EP 1 074 617 A2

PLACE1004804, PLACE1004918, PLACE1005243, PLACE1005305, PLACE1005373, PLACE1005656,  
 PLACE1005763, PLACE1005804, PLACE1005953, PLACE1005955, PLACE1006011, PLACE1006469,  
 PLACE1006534, PLACE1006626, PLACE1006731, PLACE1006819, PLACE1006829, PLACE1006878,  
 PLACE1007226, PLACE1007416, PLACE1007649, PLACE1007706, PLACE1007729, PLACE1007954,  
 5 PLACE1007958, PLACE1008111, PLACE1008275, PLACE1008330, PLACE1008643, PLACE1009094,  
 PLACE1009130, PLACE1009444, PLACE1009763, PLACE1009861, PLACE1009992, PLACE1009997,  
 PLACE1010096, PLACE1010362, PLACE1010481, PLACE1010662, PLACE1011046, PLACE1011219,  
 PLACE1011229, PLACE1011332, PLACE1011635, PLACE1011923, PLACE2000021, PLACE2000034,  
 PLACE2000398, PLACE2000404, PLACE2000438, PLACE3000009, PLACE3000020, PLACE3000059,  
 10 PLACE3000147, PLACE3000339, PLACE3000350, PLACE4000063, PLACE4000100, PLACE4000401,  
 PLACE4000548, PLACE4000654, SKNMC1000050, THYRO1000072, THYRO1000197, THYRO1000288,  
 THYRO1000605, THYRO1000662, THYRO1000756, THYRO1000852, THYRO1000926, THYRO 1000934,  
 THYRO1000951, THYRO 1000983, THYRO1001003, THYRO1001287, THYRO1001374, THYRO1001406,  
 THYRO1001617, THYRO1001671, THYRO1001738, Y79AA1000782, Y79AA1001048, Y79AA1001233,  
 15 Y79AA1001394, Y79AA1001493, Y79AA1001548, Y79AA1001581, Y79AA1001603, Y79AA1001827,  
 Y79AA1002027, Y79AA1002209, Y79AA1002211, Y79AA1002361, Y79AA1002416,

**[0282]** The following 217 clones presumably belong to a group of cDNAs encoding ATP- and/or GTP-binding proteins.  
 HEMBA1000012, HEMBA1000129, HEMBA1000185, HEMBA1000491, HEMBA1000531, HEMBA1001019,  
 HEMBA1001174, HEMBA1001387, HEMBA1001595, HEMBA1001723, HEMBA1001913, HEMBA1002161,  
 20 HEMBA1002212, HEMBA1002876, HEMBA1002997, HEMBA1003250, HEMBA1003291, HEMBA1003369,  
 HEMBA1003555, HEMBA1003560, HEMBA1004131, HEMBA1004199, HEMBA1004202, HEMBA1004354,  
 HEMBA1004697, HEMBA1005047, HEMBA1005595, HEMBA1007018, HEMBA1007151, HEMBB1000083,  
 HEMBB1000226, HEMBB1000264, HEMBB1000632, HEMBB1000725, HEMBB1001294, HEMBB1002193,  
 MAMMA1000085, MAMMA1000612, MAMMA1000731, MAMMA1000738, MAMMA1001038, MAMMA1001735,  
 25 MAMMA1001768, MAMMA1003127, NT2RM1000187, NT2RM1000388, NT2RM1000702, NT2RM1000772,  
 NT2RM1000924, NT2RM2000469, NT2RM2000577, NT2RM2000740, NT2RM2001100, NT2RM2001201,  
 NT2RM2001345, NT2RM2001823, NT2RM2002128, NT2RM4000155, NT2RM4000191, NT2RM4000356,  
 NT2RM4000496, NT2RM4000611, NT2RM4000733, NT2RM4000820, NT2RM4001084, NT2RM4001178,  
 NT2RM4001344, NT2RM4001444, NT2RM4001592, NT2RM4001714, NT2RM4001758, NT2RM4001880,  
 30 NT2RM4002062, NT2RM4002174, NT2RM4002205, NT2RM4002527, NT2RM4002594, NT2RM4002623,  
 NT2RP1000470, NT2RP1000478, NT2RP1000915, NT2RP1000958, NT2RP1001080, NT2RP1001410,  
 NT2RP1001569, NT2RP2000126, NT2RP2000258, NT2RP2000329, NT2RP2000660, NT2RP2000668,  
 NT2RP2000710, NT2RP2000812, NT2RP2000880, NT2RP2001245, NT2RP2001392, NT2RP2002606,  
 NT2RP2003277, NT2RP2003912, NT2RP2004538, NT2RP2004568,  
 35 NT2RP2004689, NT2RP2004768, NT2RP2004791, NT2RP2004920, NT2RP2005344, NT2RP2005393,  
 NT2RP2005763, NT2RP2006534, NT2RP3000046, NT2RP3000252, NT2RP3000350, NT2RP3000359,  
 NT2RP3000366, NT2RP3000397, NT2RP3000759, NT2RP3000845, NT2RP3000875, NT2RP3001150,  
 NT2RP3001427, NT2RP3001453, NT2RP3001529, NT2RP3001730, NT2RP3001799, NT2RP3001857,  
 NT2RP3001938, NT2RP3002007, NT2RP3002151, NT2RP3002330, NT2RP3002399, NT2RP3002671,  
 40 NT2RP3003301, NT2RP3003353, NT2RP3003589, NT2RP3003809, NT2RP3003876, NT2RP3004189,  
 NT2RP3004428, NT2RP3004578, NT2RP4000290, NT2RP4000481, NT2RP4000518, NT2RP4000781,  
 NT2RP4000839, NT2RP4000929, NT2RP4001041, NT2RP4001079, NT2RP4001375, NT2RP4001414,  
 NT2RP4001592, NT2RP4001634, NT2RP4001644, NT2RP4001656, NT2RP4001896, NT2RP4002047,  
 NT2RP4002058, NT2RP4002408, NT2RP5003477, OVARC1000013, OVARC1000304, OVARC1000556,  
 45 OVARC1000771, OVARC1000800, OVARC1001068, OVARC1002138, PLACE1000040, PLACE1000588,  
 PLACE1001104, PLACE1001739, PLACE1002433, PLACE1002437, PLACE1002714, PLACE1003394,  
 PLACE1003521, PLACE1003915, PLACE1004902, PLACE1005243, PLACE1005305, PLACE1005549,  
 PLACE1005739, PLACE1005921, PLACE1006119, PLACE1006196, PLACE1006552, PLACE1006956,  
 PLACE1007409, PLACE1007697, PLACE1007946, PLACE1008244, PLACE1009404, PLACE1009476,  
 50 PLACE1009596, PLACE1009908, PLACE1010134, PLACE1010720, PLACE1010896, PLACE1011109,  
 PLACE1011114, PLACE1011310, PLACE1011922, PLACE2000014, PLACE2000039, PLACE2000274,  
 PLACE2000404, PLACE2000427, PLACE3000350, PLACE4000009, PLACE4000014, PLACE4000326,  
 SKNMC1000013, THYRO1000072, THYRO1001458, Y79AA1000833, Y79AA1000962, Y79AA1001394,  
 Y79AA1001875, Y79AA1001963, Y79AA1002209,

55 **[0283]** The following 320 clones presumably belong to nuclear proteins.  
 HEMBA1000005, HEMBA1000158, HEMBA1000216, HEMBA1000561, HEMBA1000591, HEMBA1001088,  
 HEMBA1001137, HEMBA1001405, HEMBA1001510, HEMBA1001579, HEMBA1001809, HEMBA1001819,  
 HEMBA1001824, HEMBA1001847, HEMBA1001869, HEMBA1002177, HEMBA1002241, HEMBA1002495,



EP 1 074 617 A2

	HEMBA1002569,	HEMBA1002935,	HEMBA1002951,	HEMBA1002999,	HEMBA1003408,	HEMBA1003545,
	HEMBA1003662,	HEMBA1003684,	HEMBA1003690,	HEMBA1003760,	HEMBA1004203,	HEMBA1004321,
	HEMBA1004353,	HEMBA1004479,	HEMBA1004973,	HEMBA1005219,	HEMBA1005359,	HEMBA1005558,
	HEMBA1005931,	HEMBA1006278,	HEMBA1006283,	HEMBA1006359,	HEMBA1006485,	HEMBA1007087,
5	HEMBB1000226,	HEMBB1000789,	HEMBB1001011,	HEMBB1001056,	HEMBB1001242,	HEMBB1001482,
	HEMBB1001915,	HEMBB1002134,	HEMBB1002217,	MAMMA1000183,	MAMMA1000731,	MAMMA1001105,
	MAMMA1001222,	MAMMA1001260,	MAMMA1001633,	MAMMA1001743,	MAMMA1001837,	MAMMA1002617,
	MAMMA1002869,	MAMMA1002937,	MAMMA1003011,	NT2RM1000086,	NT2RM1000187,	NT2RM1000666,
	NT2RM1000885,	NT2RM1000894,	NT2RM1001059,	NT2RM1001092,	NT2RM2000013,	NT2RM2000588,
10	NT2RM2000624,	NT2RM2000735,	NT2RM2000740,	NT2RM2001105,	NT2RM2001635,	NT2RM2001670,
	NT2RM2001771,	NT2RM2001823,	NT2RM2001936,	NT2RM2001989,	NT2RM2002004,	NT2RM2002088,
	NT2RM2002091,	NT2RM4000024,	NT2RM4000046,	NT2RM4000104,	NT2RM4000202,	NT2RM4000215,
	NT2RM4000290,	NT2RM4000531,	NT2RM4000751,	NT2RM4000996,	NT2RM4001092,	NT2RM4001140,
	NT2RM4001200,	NT2RM4001483,	NT2RM4001566,	NT2RM4001592,		
15	NT2RM4001597,	NT2RM4001783,	NT2RM4001823,	NT2RM4001828,	NT2RM4001858,	NT2RM4001979,
	NT2RP1000035,	NT2RP1000111,	NT2RP1000493,	NT2RP1000574,	NT2RP1000630,	NT2RP1000902,
	NT2RP1000915,	NT2RP1000958,	NT2RP1000966,	NT2RP1001013,	NT2RP1001177,	NT2RP2000008,
	NT2RP2000076,	NT2RP2000126,	NT2RP2000153,	NT2RP2000161,	NT2RP2000248,	NT2RP2000258,
	NT2RP2000297,	NT2RP2000420,	NT2RP2000931,	NT2RP2001233,	NT2RP2001420,	NT2RP2001756,
20	NT2RP2001869,	NT2RP2002079,	NT2RP2002270,	NT2RP2002503,	NT2RP2002591,	NT2RP2002880,
	NT2RP2002939,	NT2RP2002993,	NT2RP2003137,	NT2RP2003157,	NT2RP2003277,	NT2RP2003286,
	NT2RP2003308,	NT2RP2003347,	NT2RP2003714,	NT2RP2003912,	NT2RP2004013,	NT2RP2004187,
	NT2RP2004689,	NT2RP2004920,	NT2RP2005393,	NT2RP2005436,	NT2RP2005496,	NT2RP2005539,
	NT2RP2005701,	NT2RP2005767,	NT2RP2005776,	NT2RP2005933,	NT2RP2005942,	NT2RP2006043,
25	NT2RP2006436,	NT2RP3000031,	NT2RP3000050,	NT2RP3000397,	NT2RP3000512,	NT2RP3000527,
	NT2RP3000590,	NT2RP3000603,	NT2RP3000632,	NT2RP3000917,	NT2RP3001057,	NT2RP3001107,
	NT2RP3001120,	NT2RP3001253,	NT2RP3001338,	NT2RP3001384,	NT2RP3001398,	NT2RP3001427,
	NT2RP3001428,	NT2RP3001472,	NT2RP3001646,	NT2RP3001671,	NT2RP3001792,	NT2RP3001855,
	NT2RP3002056,	NT2RP3002165,	NT2RP3002399,	NT2RP3002876,	NT2RP3003193,	NT2RP3003212,
30	NT2RP3003555,	NT2RP3004016,	NT2RP3004206,	NT2RP3004424,	NT2RP3004428,	NT2RP3004566,
	NT2RP3004617,	NT2RP4000078,	NT2RP4000111,	NT2RP4000210,	NT2RP4000398,	NT2RP4000481,
	NT2RP4000518,	NT2RP4000997,	NT2RP4001148,	NT2RP4001206,	NT2RP4001213,	NT2RP4001433,
	NT2RP4001568,	NT2RP4001638,	NT2RP4001696,	NT2RP4001753,	NT2RP4001938,	NT2RP4002058,
	NT2RP4002078,	NT2RP4002081,	NT2RP4002791,	OVARC1000006,	OVARC1000087,	OVARC1000091,
35	OVARC1000241,	OVARC1000326,	OVARC1000556,	OVARC1000846,	OVARC1001038,	OVARC1001180,
	OVARC1001232,	OVARC1001271,	OVARC1001306,	OVARC1001436,	OVARC1002112,	PLACE1000133,
	PLACE1001184,	PLACE1000406,	PLACE1000583,	PLACE1000596,	PLACE1000979,	PLACE1001118,
	PLACE1001383,	PLACE1001632,	PLACE1002171,	PLACE1002433,	PLACE1002438,	PLACE1002532,
	PLACE1002775,	PLACE1002816,	PLACE1002834,	PLACE1003100,	PLACE1003190,	PLACE1003302,
40	PLACE1003519,	PLACE1003521,	PLACE1003605,	PLACE1003704,	PLACE1003738,	PLACE1003885,
	PLACE1003923,	PLACE1004302,	PLACE1004471,	PLACE1004564,	PLACE1004814,	PLACE1004902,
	PLACE1005287,	PLACE1005876,	PLACE1005966,	PLACE1006167,	PLACE1006438,	PLACE1006482,
	PLACE1006829,	PLACE1006878,	PLACE1006917,	PLACE1007014,	PLACE1007547,	PLACE1007598,
	PLACE1007688,	PLACE1007969,	PLACE1008044,	PLACE1008132,	PLACE1008603,	PLACE1009099,
45	PLACE1009130,	PLACE1009308,	PLACE1009398,	PLACE1010134,	PLACE1010194,	PLACE1010702,
	PLACE1010720,	PLACE1010870,	PLACE1011056,	PLACE1011433,	PLACE1011664,	PLACE2000014,
	PLACE2000427,	PLACE3000009,	PLACE3000169,	PLACE4000014,	PLACE4000156,	PLACE4000192,
	PLACE4000261,	PLACE4000326,	PLACE4000489,	SKNMC1000011,	THYRO1000085,	THYRO1000242,
	THYRO1000585,	THYRO1001100,	THYRO1001189,	THYRO1001809,	Y79AA1000037,	Y79AA1000214,
50	Y79AA1000231,	Y79AA1000589,	Y79AA1000752,	Y79AA1001391,	Y79AA1001613,	Y79AA1001705,
	Y79AA1001963,	Y79AA1002431,	Y79AA1002472,	Y79AA1002482		

[0284] The following 292 clones presumably belong to DNA- and/or RNA-binding proteins.

	HEMBA1000158,	HEMBA1000216,	HEMBA1000561,	HEMBA1000591,	HEMBA1000851,	HEMBA1001088,
	HEMBA1001137,	HEMBA1001405,	HEMBA1001510,	HEMBA1001804,	HEMBA1001809,	HEMBA1001819,
55	HEMBA1001847,	HEMBA1001869,	HEMBA1002177,	HEMBA1002935,	HEMBA1003408,	HEMBA1003545,
	HEMBA1003568,	HEMBA1003591,	HEMBA1003662,	HEMBA1003684,	HEMBA1003760,	HEMBA1003783,
	HEMBA1003805,	HEMBA1003953,	HEMBA1004321,	HEMBA1004354,	HEMBA1004389,	HEMBA1004479,
	HEMBA1004669,	HEMBA1004847,	HEMBA1004973,	HEMBA1005202,	HEMBA1005359,	HEMBA1005931,



# EP 1 074 617 A2

HEMBA1006248, HEMBA1006278, HEMBA1006283, HEMBA1006359, HEMBA1006652, HEMBA1007087,  
HEMBA1007194, HEMBB1000264, HEMBB1000789, HEMBB1001011, HEMBB1001482, HEMBB1001736,  
HEMBB1001749, HEMBB1001839, HEMBB1002217, MAMMA1000183, MAMMA1000284, MAMMA1000731,  
5 MAMMA1001105, MAMMA1001222, MAMMA1001260, MAMMA1001743, MAMMA1001837, MAMMA1002385,  
MAMMA1002617, MAMMA1002869, MAMMA1002937, MAMMA1003011, NT2RM1000086, NT2RM1000539,  
NT2RM1000555, NT2RM1000666, NT2RM1000691, NT2RM1000826, NT2RM1000885, NT2RM1001059,  
NT2RM1001092, NT2RM2000371, NT2RM2000624, NT2RM2000735, NT2RM2001105, NT2RM2001424,  
NT2RM2001575, NT2RM2001605, NT2RM2001670, NT2RM2001771, NT2RM2001823, NT2RM2001989,  
NT2RM2002004, NT2RM2002014, NT2RM2002088, NT2RM2002091, NT2RM4000046, NT2RM4000104,  
10 NT2RM4000167, NT2RM4000191, NT2RM4000202, NT2RM4000531, NT2RM4000595, NT2RM4000733,  
NT2RM4000751, NT2RM4000996, NT2RM4001092, NT2RM4001140,  
NT2RM4001178, NT2RM4001200, NT2RM4001483, NT2RM4001592, NT2RM4001783, NT2RM4001823,  
NT2RM4001828, NT2RM4001858, NT2RM4001880, NT2RM4001979, NT2RM4002093, NT2RM4002109,  
NT2RP1000470, NT2RP1000493, NT2RP1000574, NT2RP1000902, NT2RP1000966, NT2RP1001013,  
15 NT2RP1001073, NT2RP1001080, NT2RP2000008, NT2RP2000153, NT2RP2000258, NT2RP2000297,  
NT2RP2001127, NT2RP2001174, NT2RP2001233, NT2RP2001511, NT2RP2001756, NT2RP2001869,  
NT2RP2002079, NT2RP2002099, NT2RP2002503, NT2RP2002591, NT2RP2002939, NT2RP2003157,  
NT2RP2003329, NT2RP2003347, NT2RP2003480, NT2RP2003522, NT2RP2003564, NT2RP2003714,  
NT2RP2004187, NT2RP2004568, NT2RP2004920, NT2RP2005003, NT2RP2005139, NT2RP2005168,  
20 NT2RP2005436, NT2RP2005496, NT2RP2005701, NT2RP2005763, NT2RP2005776, NT2RP2005942,  
NT2RP2006043, NT2RP2006436, NT2RP2006464, NT2RP3000050, NT2RP3000512, NT2RP3000527,  
NT2RP3000562, NT2RP3000590, NT2RP3000603, NT2RP3000624, NT2RP3000632, NT2RP3000994,  
NT2RP3001057, NT2RP3001107, NT2RP3001120, NT2RP3001150, NT2RP3001155, NT2RP3001338,  
NT2RP3001398, NT2RP3001472, NT2RP3001672, NT2RP3001688, NT2RP3001724, NT2RP3001792,  
25 NT2RP3001855, NT2RP3002165, NT2RP3002399, NT2RP3002876, NT2RP3003138, NT2RP3003193,  
NT2RP3003251, NT2RP3003327, NT2RP3003555, NT2RP3004013, NT2RP3004078, NT2RP3004428,  
NT2RP3004490, NT2RP3004566, NT2RP3004594, NT2RP3004617, NT2RP3004618, NT2RP4000111,  
NT2RP4000398, NT2RP4000455, NT2RP4000518, NT2RP4000648, NT2RP4000865, NT2RP4000929,  
NT2RP4001080, NT2RP4001095, NT2RP4001213, NT2RP4001433, NT2RP4001568, NT2RP4001696,  
30 NT2RP4001753, NT2RP4001838, NT2RP4001938, NT2RP4002078, OVARC1000006, OVARC1000087,  
OVARC1000241, OVARC1000746, OVARC1000846, OVARC1001232, OVARC1001271, OVARC1001306,  
OVARC1001987, OVARC1002112, PLACE1000406, PLACE1000583, PLACE1000979, PLACE1001118,  
PLACE1001632, PLACE1001739, PLACE1002438, PLACE1002532, PLACE1002775, PLACE1002834,  
PLACE1003302, PLACE1003519, PLACE1003605, PLACE1003704, PLACE1003738, PLACE1003885,  
35 PLACE1004471, PLACE1004564, PLACE1004814, PLACE1005584, PLACE1005876, PLACE1005951,  
PLACE1006196, PLACE1006482, PLACE1006488, PLACE1006531, PLACE1006917, PLACE1007346,  
PLACE1007547, PLACE1007598, PLACE1007688, PLACE1007969, PLACE1008132, PLACE1009099,  
PLACE1009246, PLACE1009398, PLACE1009476, PLACE1009622, PLACE1010053, PLACE1010194,  
PLACE1010702, PLACE1010870, PLACE1011056, PLACE1011114, PLACE1011433, PLACE2000427,  
40 PLACE3000009, PLACE3000169, PLACE4000014, PLACE4000156, PLACE4000192, PLACE4000261,  
PLACE4000489, SKNMC1000091, THYRO1000085, THYRO1000242, THYRO1000501, THYRO1001100,  
THYRO1001189, THYRO1001809, Y79AA1000037, Y79AA1000349, Y79AA1000752, Y79AA1001211,  
Y79AA1001312, Y79AA1001391, Y79AA1001613, Y79AA1002103, Y79AA1002472, Y79AA1002482,  
**[0285]** The following 66 clones presumably belong to the category of RNA synthesis-associated proteins.  
45 HEMBA1000591, HEMBA1001579, HEMBA1003179, HEMBA1003591, HEMBA1006278, HEMBB1000226,  
NT2RM1000187, NT2RM1000852, NT2RM2000624, NT2RM2001989, NT2RM2002100, NT2RM4000191,  
NT2RM4001178, NT2RM4002093, NT2RP1000035, NT2RP1000272, NT2RP1000470, NT2RP1001080,  
NT2RP2000153, NT2RP2002928, NT2RP2003157, NT2RP2004568, NT2RP2005126, NT2RP2005436,  
NT2RP2005539, NT2RP2005605, NT2RP2005776, NT2RP2005942, NT2RP2006043, NT2RP2006238,  
50 NT2RP3000361, NT2RP3000397, NT2RP3001671, NT2RP3004504, NT2RP4000078, NT2RP4000111,  
NT2RP4000481, NT2RP4000518, NT2RP4000614, NT2RP4000929, NT2RP4001696, NT2RP4002058,  
OVARC1001232, OVARC1001577, PLACE1000406, PLACE1000596, PLACE1000755, PLACE1001739,  
PLACE1003704, PLACE1003885, PLACE1004564, PLACE1004814, PLACE1004902, PLACE1005373,  
PLACE1005646, PLACE1005876, PLACE1006196, PLACE1006626, PLACE1006878, PLACE1006917,  
55 PLACE1009476, PLACE1009925, PLACE1010194, PLACE1011114, THYRO1000121, Y79AA1001963,  
**[0286]** The following 183 clones presumably belong to protein synthesis-associated and/or protein transport-asso-  
ciated proteins.  
HEMBA1000012, HEMBA1000141, HEMBA1000592, HEMBA1003617, HEMBA1003773, HEMBA1004202,

	HEMBA1004276,	HEMBA1004734,	HEMBA1004847,	HEMBA1004929,	HEMBA1004930,	HEMBA1005047,
	HEMBA1005202,	HEMBA1006031,	HEMBA1006272,	HEMBA1006474,	HEMBA1006652,	HEMBA1006914,
	HEMBA1006973,	HEMBA1007224,	HEMBA1000915,	HEMBA1001112,	HEMBA1001137,	HEMBA1001736,
	HEMBA1001831,	HEMBA1001915,	MAMMA1000085,	MAMMA1000734,	MAMMA1001008,	MAMMA1002170,
5	MAMMA1002219,	MAMMA1002236,	MAMMA1002619,	NT2RM1000661,	NT2RM1000833,	NT2RM2000092,
	NT2RM2000504,	NT2RM2000577,	NT2RM2000821,	NT2RM2001201,	NT2RM2001592,	NT2RM2001613,
	NT2RM2001648,	NT2RM2001730,	NT2RM2001760,	NT2RM2002055,	NT2RM4000155,	NT2RM4000169,
	NT2RM4000344,	NT2RM4000356,	NT2RM4000421,	NT2RM4000712,	NT2RM4001054,	NT2RM4001203,
	NT2RM4001382,	NT2RM4001444,	NT2RM4002062,	NT2RM4002205,	NT2RM4002623,	NT2RP1000326,
10	NT2RP1000522,	NT2RP1000547,	NT2RP1000746,	NT2RP1000947,	NT2RP1001569,	NT2RP2000147,
	NT2RP2000710,	NT2RP2000880,	NT2RP2000943,	NT2RP2001290,	NT2RP2001392,	NT2RP2001601,
	NT2RP2001613,	NT2RP2001660,	NT2RP2001740,	NT2RP2002124,	NT2RP2002606,	NT2RP2002862,
	NT2RP2002959,	NT2RP2002980,	NT2RP2003137,	NT2RP2003158,	NT2RP2003391,	NT2RP2003394,
	NT2RP2003401,	NT2RP2003433,	NT2RP2003704,	NT2RP2003713,	NT2RP2003737,	NT2RP2003760,
15	NT2RP2003981,	NT2RP2004366,	NT2RP2004389,	NT2RP2004791,	NT2RP2005012,	NT2RP2005116,
	NT2RP2005360,	NT2RP2005763,	NT2RP2005784,	NT2RP3000366,		
	NT2RP3000759,	NT2RP3000968,	NT2RP3001113,	NT2RP3001690,	NT2RP3002045,	NT2RP3002151,
	NT2RP3002529,	NT2RP3002671,	NT2RP3003301,	NT2RP3003846,	NT2RP3003876,	NT2RP3004209,
	NT2RP4000370,	NT2RP4000457,	NT2RP4000879,	NT2RP4000927,	NT2RP4001041,	NT2RP4001117,
20	NT2RP4001313,	NT2RP4001315,	NT2RP4001574,	NT2RP4001592,	OVARC1000013,	OVARC1000071,
	OVARC1000085,	OVARC1000465,	OVARC1000564,	OVARC1000771,	OVARC1000862,	OVARC1001171,
	OVARC1001180,	OVARC1001342,	PLACE1000007,	PLACE1000061,	PLACE1000081,	PLACE1000492,
	PLACE1000863,	PLACE1001092,	PLACE1001748,	PLACE1002090,	PLACE1003174,	PLACE1003915,
	PLACE1004104,	PLACE1004270,	PLACE1004743,	PLACE1005557,	PLACE1005813,	PLACE1006170,
25	PLACE1006488,	PLACE1006829,	PLACE1007706,	PLACE1007729,	PLACE1008273,	PLACE1008402,
	PLACE1008790,	PLACE1008813,	PLACE1009094,	PLACE1009130,	PLACE1009477,	PLACE1009721,
	PLACE1009845,	PLACE1010074,	PLACE1010547,	PLACE1011109,	PLACE1011229,	PLACE1011477,
	PLACE1012031,	PLACE2000404,	PLACE3000059,	PLACE3000121,	PLACE4000269,	PLACE4000654,
	SKNMC1000011,	THYRO1000983,	THYRO1001003,	THYRO1001313,	Y79AA1000560,	Y79AA1000784,
30	Y79AA1000968,	Y79AA1001493,	Y79AA1001875,	Y79AA1002027,	Y79AA1002209,	
	<b>[0287]</b> The following 130 clones presumably belong to cytoskeletal-associated proteins.					
	HEMBA1000156,	HEMBA1000168,	HEMBA1000411,	HEMBA1000588,	HEMBA1001043,	HEMBA1001651,
	HEMBA1001661,	HEMBA1002102,	HEMBA1002161,	HEMBA1002939,	HEMBA1003235,	HEMBA1003581,
	HEMBA1004499,	HEMBA1004534,	HEMBA1004697,	HEMBA1004929,	HEMBA1004972,	HEMBA1005582,
35	HEMBA1005595,	HEMBA1006344,	HEMBA1006737,	HEMBA1001175,	HEMBA1001282,	HEMBA1001562,
	HEMBA1001802,	MAMMA1000824,	MAMMA1001041,	MAMMA1001576,	MAMMA1001679,	MAMMA1001735,
	MAMMA1002297,	MAMMA1002351,	MAMMA1002622,	MAMMA1002637,	MAMMA1003127,	NT2RM1000850,
	NT2RM1000898,	NT2RM2000030,	NT2RM2000260,	NT2RM2000691,	NT2RM2001324,	NT2RM4000169,
	NT2RM4000229,	NT2RM4000515,	NT2RM4001217,	NT2RP1000202,	NT2RP1000348,	NT2RP1000460,
40	NT2RP1000478,	NT2RP1001033,	NT2RP1001294,	NT2RP1001302,	NT2RP2000070,	NT2RP2000812,
	NT2RP2000814,	NT2RP2001168,	NT2RP2001245,	NT2RP2001634,	NT2RP2001900,	NT2RP2003307,
	NT2RP2003394,	NT2RP2004041,	NT2RP2004242,	NT2RP2004538,	NT2RP2004587,	NT2RP2004681,
	NT2RP2004732,	NT2RP2004978,	NT2RP2005491,	NT2RP2005531,	NT2RP2005712,	NT2RP2006275,
	NT2RP3000753,	NT2RP3001113,	NT2RP3001216,	NT2RP3001239,	NT2RP3001272,	NT2RP3001554,
45	NT2RP3001690,	NT2RP3001799,	NT2RP3002688,	NT2RP3003061,	NT2RP3003185,	NT2RP3003230,
	NT2RP3004569,	NT2RP3004578,	NT2RP4001004,	NT2RP4001086,	NT2RP4001256,	NT2RP4001567,
	NT2RP4001927,	OVARC1000001,	OVARC1000106,	OVARC1000437,	OVARC1000520,	OVARC1000679,
	OVARC1001731,	OVARC1002050,	PLACE1001104,	PLACE1002571,		
	PLACE1002591,	PLACE1002655,	PLACE1002714,	PLACE1003625,	PLACE1005287,	PLACE1006552,
50	PLACE1007946,	PLACE1008426,	PLACE1010148,	PLACE1010547,	PLACE1010743,	PLACE1010896,
	PLACE1010960,	PLACE1011310,	PLACE1011922,	PLACE2000216,	PLACE2000274,	PLACE2000371,
	PLACE2000458,	PLACE3000145,	PLACE3000416,	PLACE4000009,	THYRO1000132,	THYRO1001405,
	THYRO1001458,	Y79AA1000368,	Y79AA1000794,	Y79AA1000833,	Y79AA1000962,	Y79AA1002208,
	<b>[0288]</b> The following 54 clones presumably belong to cell division-associated and/or cell proliferation-associated proteins.					
55	HEMBA1001019,	HEMBA1001595,	HEMBA1002363,	HEMBA1002997,	HEMBA1003136,	HEMBA1003369,
	HEMBA1004131,	HEMBA1004354,	HEMBA1005621,	HEMBA1000037,	HEMBA1000264,	MAMMA1001768,
	MAMMA1002769,	NT2RM1000354,	NT2RM1000430,	NT2RM1000874,	NT2RM2001256,	NT2RM2001743,

NT2RM2001896, NT2RM2002145, NT2RM4000215, NT2RM4001714, NT2RP1000163, NT2RP1000333,  
 NT2RP1000439, NT2RP2000346, NT2RP2001397, NT2RP2002595, NT2RP2003177, NT2RP2003596,  
 NT2RP2003912, NT2RP2004396, NT2RP2005037, NT2RP2005520, NT2RP2005669, NT2RP2005835,  
 NT2RP3001730, NT2RP3002081, NT2RP4000210, NT2RP4000415, NT2RP4001414, NT2RP4001634,  
 5 OVARC1000013, OVARC1000937, PLACE1001383, PLACE1002433, PLACE1004316, PLACE1005287,  
 PLACE1008808, PLACE1010720, PLACE1010833, Y79AA1000748, Y79AA1001236, Y79AA1001394,

**[0289]** The following 36 clones presumably belong to the category of embryogenesis- and/or development-associated proteins.

HEMBA1000518, HEMBA1001847, HEMBA1001869, HEMBA1003545, HEMBA1004973, HEMBB1002442,  
 10 MAMMA1001837, NT2RM2001670, NT2RM4000046, NT2RM4000531, NT2RM4001140, NT2RM4001858,  
 NT2RP2002078, NT2RP2004187, NT2RP2006436, NT2RP3000603, NT2RP3000994, NT2RP3001580,  
 NT2RP3001708, NT2RP3003071, NT2RP3004472, NT2RP3004617, NT2RP4000246, NT2RP4001567,  
 OVARC1000304, OVARC1000746, PLACE1000793, PLACE1002532, PLACE1003258, PLACE1003625,  
 PLACE1004460, PLACE1009622, PLACE4000558, THYRO1000085, Y79AA1001391, Y79AA1001692,

15 **[0290]** The following 30 clones presumably belong to cellular defense-associated proteins.

HEMBA1000005, HEMBA1000531, HEMBA1003417, HEMBA1006253, NT2RM4000354, NT2RM4001880,  
 NT2RP1000333, NT2RP1000493, NT2RP2000006, NT2RP2000045, NT2RP2000809, NT2RP2001536,  
 NT2RP2002464, NT2RP2004920, NT2RP2005037, NT2RP3000590, NT2RP3001426, NT2RP3002062,  
 NT2RP3002785, NT2RP3004262, NT2RP4001555, NT2RP4001638, PLACE1006958, PLACE1008275,  
 20 PLACE1009113, PLACE1011858, PLACE4000014, THYRO1000684, Y79AA1002139, Y79AA1002229,

**[0291]** Although it is unclear whether or not 261 clones out of clones other than the above-mentioned clones belong to any of the above-described categories, these clones are predicted to have some functions, based on the homology search using the full-length sequences thereof. The clone names and the gene definitions found in the result of homology search are shown below, separated with a double-slash mark, //.

25 HEMBA1000030//Homo sapiens ARF GTPase-activating protein GIT1 mRNA, complete cds.

HEMBA1000307//CARNITINE DEFICIENCY-ASSOCIATED PROTEIN EXPRESSED IN VENTRICLE 1

30 HEMBA1000333//Homo sapiens F-box protein Fbx21 (FBX21) mRNA, complete cds.

HEMBA1000488//RING CANAL PROTEIN (KELCH PROTEIN).

HEMBA1000523//TESTIS-SPECIFIC PROTEIN PBS13.

HEMBA1001197//Homo sapiens rap2 interacting protein x mRNA, complete cds.

HEMBA1001302//Homo sapiens calcium binding protein precursor, mRNA, complete cds.

35 HEMBA1001455//Mus musculus transposon-derived Buster2 transposase-like protein gene, partial cds.

HEMBA1001675//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS9.

HEMBA1001714//Homo sapiens mRNA for ATPase inhibitor precursor, complete cds.

HEMBA1001744//SCY1 PROTEIN.

HEMBA1001967//Homo sapiens NY-REN-57 antigen mRNA, partial cds.

40 HEMBA1002151//Rattus norvegicus p34 mRNA, complete cds.

HEMBA1002215//TESTIN 2 (TES2) [CONTAINS: TESTIN 1 (TES1)].

HEMBA1002458//OVARIAN GRANULOSA CELL 13.0 KD PROTEIN HGR74.

HEMBA1002777//Fugu rubripes BAW (BAW) mRNA, complete cds.

HEMBA1003098//Homo sapiens NY-REN-6 antigen mRNA, partial cds.

45 HEMBA1003199//Homo sapiens chromosome 5 F-box protein Fbx4 (FBX4) mRNA, complete cds.

HEMBA1003615//Homo sapiens ART-4 mRNA, complete cds.

HEMBA1003836//MOB1 PROTEIN (MPS1 BINDER 1).

HEMBA1004295//Homo sapiens NY-REN-25 antigen mRNA, partial cds.

HEMBA1004573//Homo sapiens mRNA for HELG protein.

50 HEMBA1004604//Homo sapiens COP9 complex subunit 7a mRNA, complete cds.

HEMBA1004795//CDC4-LIKE PROTEIN (FRAGMENT).

HEMBA1005101//Homo sapiens SYT interacting protein SIP mRNA, complete cds.

HEMBA1005201//Homo sapiens CGI-07 protein mRNA, complete cds.

HEMBA1005206//Drosophila simulans anon73B1 gene and Su(P) gene.

55 HEMBA1005530//Homo sapiens anaphase-promoting complex subunit 7 (APC7) mRNA, complete cds.

HEMBA1005666//Homo sapiens mRNA for DIPB protein.

HEMBA1005990//Homo sapiens I-1 receptor candidate protein mRNA, complete cds.

HEMBA1006268//Homo sapiens HQOO24c mRNA, complete cds.

# EP 1 074 617 A2

HEMBA1006398//Human L1 element L1.6 putative p150 gene, complete cds.  
HEMBA1006445//Homo sapiens putative tumor suppressor NOEY2 mRNA, complete cds.  
HEMBA1007174//Homo sapiens epsin 2b mRNA, complete cds.  
HEMBA1007251//Homo sapiens F-box protein FBX29 (FBX29) mRNA, partial cds. HEMBB1000036//Homo sapi-  
5 ens CGI-51 protein mRNA, complete cds.  
HEMBB1000144//GUANYLATE CYCLASE ACTIVATING PROTEIN 2 (GCAP 2) (RETINAL  
GUANYLYL CYCLASE ACTIVATOR PROTEIN P24).  
HEMBB1000973//Mus musculus schlafen3 (Sln3) mRNA, complete cds.  
HEMBB1001058//Homo sapiens neuronal thread protein AD7c-NTP mRNA, complete cds  
10 HEMBB1001234//65 KD YES-ASSOCIATED PROTEIN (YAP65).  
HEMBB1001288//COPPER HOMEOSTASIS PROTEIN CUTC.  
HEMBB1001331//Mus musculus mRNA for hepatoma-derived growth factor, complete cds, strain: BALB/c.  
HEMBB1001384//Homo sapiens COP9 complex subunit 4 mRNA, complete cds.  
HEMBB1002266//NEURONAL PROTEIN.  
15 HEMBB1002510//GYP7 PROTEIN.  
HEMBB1002705//Homo sapiens CGI-27 protein mRNA, complete cds.  
MAMMA1000055//TESTIN 2 (TES2) [CONTAINS: TESTIN 1 (TEST)].  
MAMMA1000625//GYP7 PROTEIN.  
MAMMA1001075//Homo sapiens CGI-72 protein mRNA, complete cds.  
20 MAMMA1001181//ABC1 PROTEIN HOMOLOG PRECURSOR.  
MAMMA1001259//Mus musculus F-box protein FBX18 mRNA, partial cds.  
MAMMA1001730//Homo sapiens brain and nasopharyngeal carcinoma susceptibility protein NSG-x mRNA, partial  
cds.  
MAMMA1002143//Homo sapiens Cdc42 effector protein 4 mRNA, complete cds.  
25 MAMMA1002699//Rattus norvegicus EH domain binding protein Epsin mRNA, complete cds.  
MAMMA1002972//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS27.  
MAMMA1003113//Mus musculus COP9 complex subunit 7a (COPS7a) mRNA, complete cds.  
NT2RM1000118//CALCINEURIN B SUBUNIT (PROTEIN PHOSPHATASE 2B REGULATORY SUBUNIT) (CAL-  
CINEURIN REGULATORY SUBUNIT).  
30 NT2RM1000186//CALCINEURIN B SUBUNIT (PROTEIN PHOSPHATASE 2B REGULATORY SUBUNIT) (CAL-  
CINEURIN REGULATORY SUBUNIT).  
NT2RM1000244//Homo sapiens TRAF4 associated factor 1 mRNA, partial cds.  
NT2RM1000421//RIBONUCLEASE INHIBITOR.  
NT2RM1000499//Caenorhabditis elegans mRNA for centaurin gamma 1A.  
35 NT2RM1000623//RIBONUCLEASE INHIBITOR.  
NT2RM1000883//Homo sapiens I-1 receptor candidate protein mRNA, complete cds.  
NT2RM2000502//Rattus norvegicus W3O7 mRNA, complete cds.  
NT2RM2000599//Homo sapiens F-box protein Lilina (LILINA) mRNA, complete cds.  
NT2RM2000718//Homo sapiens endocrine regulator mRNA, complete cds.  
40 NT2RM2001065//Homo sapiens COP9 complex subunit 4 mRNA, complete cds.  
NT2RM2001196//PROLINE-RICH PROTEIN MP-3 (FRAGMENT).  
NT2RM2001983//Homo sapiens RGS-GAIP interacting protein GIPC mRNA, complete cds.  
NT2RM2002109//Homo sapiens glioma amplified on chromosome 1 protein (GAC1) mRNA, complete cds.  
NT2RM2002142//GASTRULATION SPECIFIC PROTEIN G12.  
45 NT2RM4000030//LAS1 PROTEIN.  
NT2RM4000139//R. norvegicus trg mRNA.  
NT2RM4000156//H. sapiens HPBR11-7 gene.  
NT2RM4000386//Mus musculus ODZ3 (Odz3) mRNA, partial cds.  
NT2RM4000590//RING CANAL PROTEIN (KELCH PROTEIN).  
50 NT2RM4001047//MO25 PROTEIN.  
NT2RM4001155//ADRENAL MEDULLA 50 KD PROTEIN.  
NT2RM4001256//Xenopus laevis putative Zic3 binding protein mRNA, complete cds.  
NT2RM4001320//Homo sapiens mRNA for Neuroblastoma, complete cds.  
NT2RM4001340//UTR4 PROTEIN (UNKNOWN TRANSCRIPT 4 PROTEIN).  
55 NT2RM4001347//Homo sapiens NY-REN-25 antigen mRNA, partial cds.  
NT2RM4001371//Homo sapiens IDN3 mRNA, partial cds.  
NT2RM4001582//Mus musculus COP9 complex subunit 7b (COPS7b) mRNA, complete cds.  
NT2RM4001611//SIS2 PROTEIN (HALOTOLERANCE PROTEIN HAL3).

- NT2RM4001731//Homo sapiens F-box protein Lilina (LILINA) mRNA, complete cds.  
 NT2RM4001969//R.norvegicus mRNA for IP63 protein.  
 NT2RM4002034//Homo sapiens hiwi mRNA, partial cds.  
 NT2RM4002075//RING CANAL PROTEIN (KELCH PROTEIN).  
 5 NT2RM4002226//GTPASE ACTIVATING PROTEIN ROTUND.  
 NT2RP1000040//Mus musculus donson protein (Donson) mRNA, partial cds.  
 NT2RP1000363//R.norvegicus LL5 mRNA.  
 NT2RP1000481//Homo sapiens antigen NY-CO-3 (NY-CO-3) mRNA, partial cds.  
 NT2RP1000513//Human NifU-like protein (hNifU) mRNA, partial cds.  
 10 NT2RP1000733//Human mRNA for GSPT1-TK protein, complete cds.  
 NT2RP1000860//Homo sapiens KLO4P mRNA, complete cds.  
 NT2RP1000954//RING CANAL PROTEIN (KELCH PROTEIN).  
 NT2RP1001011//Drosophila melanogaster putative 43 kDa protein (TH1) mRNA, complete cds.  
 NT2RP1001395//Homo sapiens COP9 complex subunit 7a mRNA, complete cds.  
 15 NT2RP1001457//Homo sapiens partial mRNA for beta-transducin family protein (putative).  
 NT2RP1001494//MALE STERILITY PROTEIN 2.  
 NT2RP2000054//Homo sapiens putative ring zinc finger protein NY-REN-43 antigen mRNA, complete cds.  
 NT2RP2000067//Mus musculus ODZ3 (Odz3) mRNA, partial cds.  
 NT2RP2000133//Homo sapiens Leman coiled-coil protein (LCCP) mRNA, complete cds.  
 20 NT2RP2000157//MLO2 PROTEIN.  
 NT2RP2000764//NIFS PROTEIN.  
 NT2RP2000965//Homo sapiens mRNA for fls353, complete cds.  
 NT2RP2001839//SCY1 PROTEIN.  
 NT2RP2001883//Homo sapiens CGI-01 protein mRNA, complete cds.  
 25 NT2RP2001976//Mus musculus calmodulin-binding protein SHA1 (Sha1) mRNA, complete cds.  
 NT2RP2001985//Homo sapiens high-risk human papilloma viruses E6 oncoproteins targeted protein E6TP1 alpha mRNA, complete cds.  
 NT2RP2002185//Homo sapiens ubiquilin mRNA, complete cds.  
 NT2RP2002442//HESA PROTEIN.  
 30 NT2RP2002727//Rattus norvegicus tulip 2 mRNA, complete cds.  
 NT2RP2002741//Homo sapiens mRNA for Neuroblastoma, complete cds.  
 NT2RP2002986//Homo sapiens mRNA for Kelch motif containing protein, complete cds.  
 NT2RP2003121//Mus musculus enhancer of polycomb (Epc1) mRNA, complete cds.  
 NT2RP2003265//Homo sapiens CGI-53 protein mRNA, complete cds.  
 35 NT2RP2003272//Homo sapiens ubiquilin mRNA, complete cds.  
 NT2RP2003857//MYOTROPHIN (V-1 PROTEIN) (GRANULE CELL DIFFERENTIATION PROTEIN).  
 NT2RP2003871//Homo sapiens transposon-derived Buster1 transposase-like protein gene, complete cds.  
 NT2RP2004425//Mus musculus axotrophin mRNA, complete cds.  
 NT2RP2004476//Homo sapiens cyclin L ania-6a mRNA, complete cds.  
 40 NT2RP2004710//Mus musculus formin binding protein 30 mRNA, complete cds.  
 NT2RP2004816//H58 PROTEIN.  
 NT2RP2005441//Homo sapiens hypothalamus protein HT002 mRNA, complete cds.  
 NT2RP2005490//Mus musculus D3Mm3e (D3Mm3e) mRNA, complete cds.  
 NT2RP2005620//Homo sapiens epsin 2a mRNA, complete cds.  
 45 NT2RP2005654//CYSTEINE STRING PROTEIN (CCCS1).  
 NT2RP2005675//Homo sapiens growth suppressor related (DOC-1R) mRNA, complete cds.  
 NT2RP2005753//Homo sapiens I-1 receptor candidate protein mRNA, complete cds.  
 NT2RP2005841//Homo sapiens mRNA for ALEX3, complete cds.  
 NT2RP2006598//Homo sapiens retinoid x receptor interacting protein mRNA, complete cds.  
 50 NT2RP3000047//NPL4 PROTEIN.  
 NT2RP3000233//RING CANAL PROTEIN (KELCH PROTEIN).  
 NT2RP3000868//Human ovarian cancer downregulated myosin heavy chain homolog (Doc1) mRNA, complete cds.  
 NT2RP3000869//Drosophila melanogaster AAA family protein Bor (bor) mRNA, complete cds.  
 55 NT2RP3001399//SSU72 PROTEIN.  
 NT2RP3001407//SCY1 PROTEIN.  
 NT2RP3001457//Drosophila melanogaster Melted (melt) mRNA, partial cds.  
 NT2RP3001587//Human anthracycline-associated resistance ARX mRNA, complete cds.

NT2RP3001712//Homo sapiens HP1-BP74 protein mRNA, complete cds.  
 NT2RP3001819//RING CANAL PROTEIN (KELCH PROTEIN).  
 NT2RP3001854//Homo sapiens novel retinal pigment epithelial cell protein (NORPEG) mRNA, complete cds.  
 NT2RP3001931//Rattus norvegicus clone C48 CDK5 activator-binding protein mRNA, complete cds.  
 5 NT2RP3002273//SCD6 PROTEIN.  
 NT2RP3002631//Homo sapiens Ran binding protein 11 mRNA, complete cds.  
 NT2RP3002682//Homo sapiens CGI-145 protein mRNA, complete cds.  
 NT2RP3002770//MYELOID DIFFERENTIATION PRIMARY RESPONSE PROTEIN MYD116.  
 NT2RP3002818//INSERTION ELEMENT IS2A HYPOTHETICAL 48.2 KD PROTEIN.  
 10 NT2RP3002948//RING CANAL PROTEIN (KELCH PROTEIN).  
 NT2RP3002972//Halocynthia roretzi mRNA for HrPET-1, complete cds.  
 NT2RP3003032//Homo sapiens okadaic acid-inducible and cAMP-regulated phosphoprotein 19 (ARPP-19) mRNA, complete cds.  
 NT2RP3003290//Mus musculus mRNA for Ndr1 related protein Ndr3, complete cds.  
 15 NT2RP3003411//Mus musculus COP9 complex subunit 7b (COPS7b) mRNA, complete cds.  
 NT2RP3003491//Drosophila melanogaster Pelle associated protein Pellino (Pli) mRNA, complete cds.  
 NT2RP3003500//SCY1 PROTEIN.  
 NT2RP3003726//Homo sapiens spermatogenesis associated PD1 mRNA, complete cds.  
 NT2RP3004348//R. norvegicus mRNA for cytosolic resiniferatoxin-binding protein.  
 20 NT2RP3004507//MOB1 PROTEIN (MPS1 BINDER 1).  
 NT2RP4000129//Xenopus laevis F-box protein 28 (Fbx28) mRNA, partial cds.  
 NT2RP4000498//MOB1 PROTEIN (MPS1 BINDER 1).  
 NT2RP4000528//NPL4 PROTEIN.  
 NT2RP4000737//Mus musculus F-box protein FBL10 mRNA, partial cds.  
 25 NT2RP4000979//Homo sapiens putative HIV-1 infection related protein mRNA, partial cds.  
 NT2RP4001010//Rattus norvegicus PSD-95/SAP90-associated protein-4 mRNA, complete cds.  
 NT2RP4001207//Homo sapiens Ran binding protein 11 mRNA, complete cds.  
 NT2RP4001228//RING CANAL PROTEIN (KELCH PROTEIN).  
 NT2RP4001260//Homo sapiens F-box protein Fbx21 (FBX21) mRNA, complete cds.  
 30 NT2RP4001339//Homo sapiens mRNA for AMMERC1 protein.  
 NT2RP4001351//Human ovarian cancer downregulated myosin heavy chain homolog (Doc1) mRNA, complete cds.  
 NT2RP4001474//Xenopus laevis putative Zic3 binding protein mRNA, complete cds.  
 NT2RP4001966//Mus musculus ODZ3 (Odz3) mRNA, partial cds.  
 35 NT2RP4002018//RING CANAL PROTEIN (KELCH PROTEIN).  
 OVARC1000209//Oryza sativa submergence induced protein 2A mRNA, complete cds.  
 OVARC1000876//MOB1 PROTEIN (MPS1 BINDER 1).  
 OVARC1001065//Homo sapiens CGI-12 protein mRNA, complete cds.  
 OVARC1001092//Homo sapiens mRNA for JM5 protein, complete CDS (clone IMAGE 53337, LLNLc110F185707  
 40 (RZPD Berlin) and LLNLc110G0913Q7 (RZPD Berlin)).  
 OVARC1001419//Homo sapiens GOK (STIM1) mRNA, complete cds.  
 OVARC1001555//NGG1-INTERACTING FACTOR 3.  
 OVARC1001711//CORNIFIN B (SMALL PROLINE-RICH PROTEIN 1B) (SPR1B) (SPR1 B).  
 OVARG1001943//Mus musculus DEBT-91 mRNA, complete cds.  
 45 PLACE1000004//Homo sapiens IDN3-B mRNA, complete cds.  
 PLACE1000066//SSU72 PROTEIN.  
 PLACE1000610//MSN5 PROTEIN.  
 PLACE1000636//MALE STERILITY PROTEIN 2.  
 PLACE1000769//Homo sapiens CGI-18 protein mRNA, complete cds.  
 50 PLACE1000987//Rattus norvegicus late gestation lung 2 protein (Lgl2) mRNA, complete cds.  
 PLACE1001036//Homo sapiens mRNA for alpha integrin binding protein 63, partial.  
 PLACE1001845//Mus musculus cyclin ania-6a mRNA, complete cds.  
 PLACE1001920//Homo sapiens MDC-3.13 isoform 2 mRNA, complete cds.  
 PLACE1002665//Mus musculus enhancer of polycomb (Epc1) mRNA, complete cds.  
 55 PLACE1003602//Homo sapiens mRNA expressed in placenta.  
 PLACE1003611//Homo sapiens anaphase-promoting complex subunit 4 (APC4) mRNA, complete cds.  
 PLACE1004256//Mus musculus short coiled coil protein SCOCO (Scoc) mRNA, complete cds.  
 PLACE1004550//Homo sapiens CGI-20 protein mRNA, complete cds.

PLACE1004868//MALE STERILITY PROTEIN 2.  
 PLACE1004930//Homo sapiens MDC-3.13 isoform 2 mRNA, complete cds.  
 PLACE1005052//Homo sapiens CGI-16 protein mRNA, complete cds.  
 PLACE1005102//RING CANAL PROTEIN (KELCH PROTEIN).  
 5 PLACE1005176//Homo sapiens hypothalamus protein HT001 mRNA, complete cds.  
 PLACE1005187//APAG PROTEIN.  
 PLACE1005331//Homo sapiens 7h3 protein mRNA, partial cds.  
 PLACE1005727//Homo sapiens STRIN protein (STRIN) mRNA, complete cds.  
 PLACE1006003//Homo sapiens CGI-94 protein mRNA, complete cds.  
 10 PLACE1006335//Homo sapiens NY-REN-50 antigen mRNA, partial cds.  
 PLACE1006385//Homo sapiens epsin 2a mRNA, complete cds.  
 PLACE1006506//Homo sapiens anaphase-promoting complex subunit 4 (APC4) mRNA, complete cds.  
 PLACE1007105//Homo sapiens muskelin (MKLN1) mRNA, complete cds.  
 PLACE1007537//Homo sapiens ankyrin repeat-containing protein ASB-2 mRNA, complete cds.  
 15 PLACE1007705//Mus musculus mRNA for Ndr1 related protein Ndr3, complete cds.  
 PLACE1007791//Homo sapiens IDN3-B mRNA, complete cds.  
 PLACE1007897//Homo sapiens FLASH mRNA, complete cds.  
 PLACE1008080//Homo sapiens mRNA for HEXIM1 protein, complete cds.  
 PLACE1008368//RING CANAL PROTEIN (KELCH PROTEIN).  
 20 PLACE1008398//GENE 33 POLYPEPTIDE.  
 PLACE1008465//Homo sapiens mRNA for rapa-1 (rapa gene).  
 PLACE1008627//Homo sapiens mRNA for cysteine-rich protein.  
 PLACE1009020//NIFS PROTEIN.  
 PLACE1009060//BRO1 PROTEIN.  
 25 PLACE1009186//Homo sapiens small zinc finger-like protein (TIM9b) mRNA, complete cds.  
 PLACE1009443//Mus musculus F-box protein FBL8 mRNA, complete cds.  
 PLACE1009571//Homo sapiens PTD002 mRNA, complete cds.  
 PLACE1009670//Homo sapiens genethonin 1 mRNA, complete cds.  
 PLACE1010105//RING CANAL PROTEIN (KELCH PROTEIN).  
 30 PLACE1010261//SEGREGATION DISTORTER PROTEIN.  
 PLACE1010310//SPIDROIN 2 (DRAGLINE SILK FIBROIN 2) (FRAGMENT).  
 PLACE1010522//Homo sapiens mRNA for DEPP (decidual protein induced by progesterone), complete cds.  
 PLACE1010579//Homo sapiens CED-6 protein (CED-6) mRNA, complete cds.  
 PLACE1010628//Homo sapiens S164 gene, partial cds; PS1 and hypothetical protein genes, complete cds; and  
 35 S171 gene, partial cds.  
 PLACE1010661//TESTIS-SPECIFIC PROTEIN PBS13.  
 PLACE1010761//Homo sapiens mRNA for cisplatin resistance-associated overexpressed protein, complete cds.  
 PLACE1011185//INSERTION ELEMENT IS1 PROTEIN INSB.  
 PLACE1011340//Homo sapiens IDN3-B mRNA, complete cds.  
 40 PLACE1011586//Rattus norvegicus clone C53 CDK5 activator-binding protein mRNA, complete cds.  
 PLACE2000246//RING CANAL PROTEIN (KELCH PROTEIN).  
 PLACE2000411//Homo sapiens epsin 2b mRNA, complete cds.  
 PLACE3000477//Homo sapiens phosphoprotein pp75 mRNA, partial cds.  
 THYRO1000173//Homo sapiens AP-mu chain family member mu1B (HSMU1B) mRNA, complete cds.  
 45 THYRO1000401//Human TcD37 homolog (HTcD37) mRNA, partial cds.  
 THYRO1000666//Mus musculus mRNA for kinesin like protein 9.  
 THYRO1001033//TRANSFORMATION-SENSITIVE PROTEIN IEF SSP 3521.  
 THYRO1001347//Homo sapiens RAN binding protein 16 mRNA, complete cds.  
 THYRO1001656//Homo sapiens Leman coiled-coil protein (LCCP) mRNA, complete cds.  
 50 THYRO1001703//NIFR3-LIKE PROTEIN.  
 THYRO1001721//RING CANAL PROTEIN (KELCH PROTEIN).  
 Y79AA1000059//Homo sapiens aryl-hydrocarbon interacting protein-like 1 (AIP1) gene, complete cds.  
 Y79AA1000181//Homo sapiens CGI-01 protein mRNA, complete cds.  
 Y79AA1000268//Mus musculus Nip2l mRNA, complete cds.  
 55 Y79AA1000313//CALPHOTIN.  
 Y79AA1000540//CELL POLARITY PROTEIN TEA1.  
 Y79AA1000966//Homo sapiens COP9 complex subunit 4 mRNA, complete cds.  
 Y79AA1000985//Human centrosomal protein kendrin mRNA, complete cds.

Y79AA1001323//Mus musculus mRNA for GSG1, complete cds.

Y79AA1001402//Homo sapiens paraneoplastic cancer-testis-brain antigen (MA4) mRNA, partial cds.

Y79AA1001679//Homo sapiens lambda-crystallin mRNA, complete cds.

Y79AA1001923//Homo sapiens F-box protein Fbx22 (FBX22) gene, partial cds. Y79AA1002083//H. sapiens mRNA for MUF1 protein.

Y79AA1002307//Homo sapiens astrotactin2 (ASTN2) mRNA, complete cds.

Y79AA1002311//R. norvegicus mRNA for cytosolic resiniferatoxin-binding protein.

Y79AA1002487//Homo sapiens chromosome 5 F-box protein Fbx4 (FBX4) mRNA, complete cds.

10 [0292] Among the clones other than the above-mentioned, there were 36 clones that were similarly classified into the functional categories based on the results of functional domain search using the Pfam program. These clones were categorized as follows.

[0293] Clones presumably belonging to the category of secretory or membrane proteins are two clones, MAMMA1002498 and NT2RM4002287; a clone presumably belonging to the category of glycoproteins-associated proteins is a clone MAMMA1002498; clones presumably belonging to the category of signal transduction-associated proteins are 11 clones, HEMBA1001247, NT2RM2001813, NT2RM4001454, NT2RP2005140, NT2RP2005293, NT2RP3000487, NT2RP3003311, PLACE1000972, PLACE1003723, PLACE1005327, and PLACE3000124; clones presumably belonging to the category of transcription-associated proteins are 12 clones, HEMBA1003257, NT2RM2000101, NT2RM2001797, NT2RP1000101, NT2RP2002208, NT2RP3001214, NT2RP3003278, NT2RP4001235, PLACE1000050, PLACE1001716, PLACE1002499, and PLACE1007544; clones presumably belonging to the category of enzymes and/or metabolism-associated proteins are 2 clones, HEMBA1005732 and MAMMA1000402; clones presumably belonging to the category of DNA- and/or RNA-binding proteins are 4 clones, HEMBA1004596, OVARC1000148, PLACE1003334, and THYRO1001661; a clone presumably belonging to the category of protein synthesis- and/or protein transport-associated proteins is a clone, HEMBA1006284.

25 [0294] So far, useful information for presuming the functions is unavailable for the remaining 2511 clones. Their functions will possibly be revealed by further analyses. Names of the clones are listed below.

[0295] So far, useful information for presuming the functions are unavailable for the remaining 2511 clones. Their functions will possibly be revealed by further analyses. Names of the clones are listed below.

HEMBA1000042, HEMBA1000046, HEMBA1000050, HEMBA1000076, HEMBA1000193, HEMBA1000213,  
 30 HEMBA1000227, HEMBA1000231, HEMBA1000243, HEMBA1000244, HEMBA1000251, HEMBA1000264,  
 HEMBA1000280, HEMBA1000282, HEMBA1000288, HEMBA1000290, HEMBA1000302, HEMBA1000327,  
 HEMBA1000338, HEMBA1000351, HEMBA1000357, HEMBA1000376, HEMBA1000387, HEMBA1000392,  
 HEMBA1000396, HEMBA1000428, HEMBA1000442, HEMBA1000456, HEMBA1000459, HEMBA1000460,  
 HEMBA1000469, HEMBA1000497, HEMBA1000501, HEMBA1000504, HEMBA1000505, HEMBA1000508,  
 35 HEMBA1000519, HEMBA1000520, HEMBA1000534, HEMBA1000545, HEMBA1000557, HEMBA1000568,  
 HEMBA1000575, HEMBA1000594, HEMBA1000604, HEMBA1000622, HEMBA1000636, HEMBA1000655,  
 HEMBA1000673, HEMBA1000682, HEMBA1000686, HEMBA1000702, HEMBA1000722, HEMBA1000726,  
 HEMBA1000727, HEMBA1000749, HEMBA1000752, HEMBA1000769, HEMBA1000773, HEMBA1000774,  
 HEMBA1000843, HEMBA1000867, HEMBA1000869, HEMBA1000872, HEMBA1000876, HEMBA1000908,  
 40 HEMBA1000918, HEMBA1000934, HEMBA1000942, HEMBA1000943, HEMBA1000946, HEMBA1000960,  
 HEMBA1000968, HEMBA1000971, HEMBA1000972, HEMBA1000975, HEMBA1000985, HEMBA1000986,  
 HEMBA1001008, HEMBA1001009, HEMBA1001020, HEMBA1001022, HEMBA1001024, HEMBA1001026,  
 HEMBA1001051, HEMBA1001060, HEMBA1001080, HEMBA1001094, HEMBA1001099, HEMBA1001109,  
 HEMBA1001121, HEMBA1001122, HEMBA1001123, HEMBA1001133, HEMBA1001140, HEMBA1001208,  
 45 HEMBA1001213, HEMBA1001226, HEMBA1001235, HEMBA1001281, HEMBA1001299, HEMBA1001303,  
 HEMBA1001310, HEMBA1001319, HEMBA1001323, HEMBA1001326, HEMBA1001327, HEMBA1001330,  
 HEMBA1001361, HEMBA1001375, HEMBA1001377, HEMBA1001383, HEMBA1001388, HEMBA1001391,  
 HEMBA1001398, HEMBA1001411, HEMBA1001413, HEMBA1001415, HEMBA1001432, HEMBA1001433,  
 HEMBA1001435, HEMBA1001442, HEMBA1001450, HEMBA1001463, HEMBA1001497, HEMBA1001522,  
 50 HEMBA1001533, HEMBA1001566, HEMBA1001570, HEMBA1001581, HEMBA1001589, HEMBA1001608,  
 HEMBA1001636, HEMBA1001640, HEMBA1001647, HEMBA1001655, HEMBA1001658, HEMBA1001702,  
 HEMBA1001711, HEMBA1001712, HEMBA1001731, HEMBA1001745, HEMBA1001750, HEMBA1001781,  
 HEMBA1001784, HEMBA1001791, HEMBA1001803, HEMBA1001815, HEMBA1001820, HEMBA1001835,  
 HEMBA1001864, HEMBA1001888, HEMBA1001910, HEMBA1001912, HEMBA1001915, HEMBA1001918,  
 55 HEMBA1001939, HEMBA1001940, HEMBA1001942, HEMBA1001950, HEMBA1001964, HEMBA1001987,  
 HEMBA1002018, HEMBA1002022, HEMBA1002039, HEMBA1002049, HEMBA1002084, HEMBA1002100,  
 HEMBA1002113, HEMBA1002119, HEMBA1002160, HEMBA1002162, HEMBA1002185, HEMBA1002189,  
 HEMBA1002191, HEMBA1002199, HEMBA1002204, HEMBA1002229, HEMBA1002237, HEMBA1002265,



EP 1 074 617 A2

	HEMBA1002328,	HEMBA1002337,	HEMBA1002348,	HEMBA1002349,	HEMBA1002381,	HEMBA1002430,
	HEMBA1002439,	HEMBA1002460,	HEMBA1002498,	HEMBA1002503,	HEMBA1002508,	HEMBA1002515,
	HEMBA1002538,	HEMBA1002542,	HEMBA1002552,	HEMBA1002558,	HEMBA1002583,	HEMBA1002621,
	HEMBA1002624,	HEMBA1002629,	HEMBA1002645,	HEMBA1002666,	HEMBA1002678,	HEMBA1002679,
5	HEMBA1002688,	HEMBA1002696,	HEMBA1002703,	HEMBA1002712,	HEMBA1002716,	HEMBA1002742,
	HEMBA1002748,	HEMBA1002750,	HEMBA1002779,	HEMBA1002794,	HEMBA1002801,	HEMBA1002816,
	HEMBA1002826,	HEMBA1002833,	HEMBA1002850,	HEMBA1002863,	HEMBA1002934,	HEMBA1002937,
	HEMBA1002944,	HEMBA1002954,	HEMBA1002968,	HEMBA1002970,	HEMBA1002971,	HEMBA1003021,
	HEMBA1003033,	HEMBA1003034,	HEMBA1003035,	HEMBA1003037,	HEMBA1003041,	HEMBA1003067,
10	HEMBA1003078,	HEMBA1003083,	HEMBA1003117,	HEMBA1003129,	HEMBA1003133,	HEMBA1003142,
	HEMBA1003166,	HEMBA1003175,	HEMBA1003197,	HEMBA1003202,	HEMBA1003220,	HEMBA1003222,
	HEMBA1003229,	HEMBA1003273,	HEMBA1003276,	HEMBA1003278,	HEMBA1003304,	HEMBA1003309,
	HEMBA1003322,	HEMBA1003327,	HEMBA1003328,	HEMBA1003370,	HEMBA1003373,	HEMBA1003376,
	HEMBA1003380,	HEMBA1003384,	HEMBA1003395,	HEMBA1003402,	HEMBA1003447,	HEMBA1003461,
15	HEMBA1003463,	HEMBA1003480,	HEMBA1003528,	HEMBA1003531,	HEMBA1003548,	HEMBA1003556,
	HEMBA1003571,	HEMBA1003579,	HEMBA1003597,	HEMBA1003598,	HEMBA1003621,	HEMBA1003646,
	HEMBA1003656,	HEMBA1003667,	HEMBA1003692,	HEMBA1003720,	HEMBA1003725,	HEMBA1003729,
	HEMBA1003733,	HEMBA1003758,	HEMBA1003799,	HEMBA1003804,	HEMBA1003807,	HEMBA1003827,
	HEMBA1003838,	HEMBA1003854,	HEMBA1003856,	HEMBA1003864,	HEMBA1003879,	HEMBA1003880,
20	HEMBA1003893,	HEMBA1003908,	HEMBA1003926,	HEMBA1003937,	HEMBA1003939,	HEMBA1003942,
	HEMBA1003958,	HEMBA1003959,	HEMBA1003976,	HEMBA1003978,	HEMBA1003985,	HEMBA1003987,
	HEMBA1003989,	HEMBA1004011,	HEMBA1004012,	HEMBA1004015,	HEMBA1004024,	HEMBA1004038,
	HEMBA1004045,	HEMBA1004048,	HEMBA1004056,	HEMBA1004074,	HEMBA1004086,	HEMBA1004111,
	HEMBA1004138,	HEMBA1004150,	HEMBA1004193,	HEMBA1004200,	HEMBA1004225,	HEMBA1004238,
25	HEMBA1004241,	HEMBA1004246,	HEMBA1004267,	HEMBA1004272,	HEMBA1004274,	HEMBA1004289,
	HEMBA1004312,	HEMBA1004323,	HEMBA1004327,	HEMBA1004330,	HEMBA1004335,	HEMBA1004366,
	HEMBA1004372,	HEMBA1004394,	HEMBA1004396,	HEMBA1004405,	HEMBA1004429,	HEMBA1004433,
	HEMBA1004460,	HEMBA1004502,	HEMBA1004507,	HEMBA1004538,	HEMBA1004542,	HEMBA1004554,
	HEMBA1004560,	HEMBA1004610,	HEMBA1004617,	HEMBA1004629,	HEMBA1004631,	HEMBA1004632,
30	HEMBA1004638,	HEMBA1004670,	HEMBA1004672,	HEMBA1004693,	HEMBA1004705,	HEMBA1004709,
	HEMBA1004711,	HEMBA1004725,	HEMBA1004730,	HEMBA1004733,	HEMBA1004736,	HEMBA1004748,
	HEMBA1004751,	HEMBA1004753,	HEMBA1004763,	HEMBA1004771,	HEMBA1004776,	HEMBA1004778,
	HEMBA1004803,	HEMBA1004806,	HEMBA1004807,	HEMBA1004820,	HEMBA1004860,	HEMBA1004863,
	HEMBA1004865,	HEMBA1004880,	HEMBA1004900,	HEMBA1004909,	HEMBA1004933,	HEMBA1004934,
35	HEMBA1004944,	HEMBA1004954,	HEMBA1004960,	HEMBA1004977,	HEMBA1004978,	HEMBA1004980,
	HEMBA1004983,	HEMBA1004995,	HEMBA1005019,	HEMBA1005039,	HEMBA1005062,	HEMBA1005066,
	HEMBA1005075,	HEMBA1005079,	HEMBA1005083,	HEMBA1005113,	HEMBA1005123,	HEMBA1005133,
	HEMBA1005149,	HEMBA1005152,	HEMBA1005185,	HEMBA1005223,	HEMBA1005232,	HEMBA1005241,
	HEMBA1005252,	HEMBA1005275,	HEMBA1005293,	HEMBA1005296,	HEMBA1005311,	HEMBA1005314,
40	HEMBA1005331,	HEMBA1005374,	HEMBA1005382,	HEMBA1005403,	HEMBA1005411,	HEMBA1005426,
	HEMBA1005443,	HEMBA1005447,	HEMBA1005468,	HEMBA1005469,	HEMBA1005472,	HEMBA1005474,
	HEMBA1005475,	HEMBA1005497,	HEMBA1005500,	HEMBA1005506,	HEMBA1005508,	HEMBA1005517,
	HEMBA1005518,	HEMBA1005526,	HEMBA1005568,	HEMBA1005572,	HEMBA1005583,	HEMBA1005593,
	HEMBA1005606,	HEMBA1005609,	HEMBA1005627,	HEMBA1005670,	HEMBA1005679,	HEMBA1005680,
45	HEMBA1005685,	HEMBA1005705,	HEMBA1005746,	HEMBA1005755,	HEMBA1005780,	HEMBA1005813,
	HEMBA1005822,	HEMBA1005834,	HEMBA1005852,	HEMBA1005884,	HEMBA1005891,	HEMBA1005894,
	HEMBA1005909,	HEMBA1005911,	HEMBA1005921,	HEMBA1005963,	HEMBA1006005,	HEMBA1006035,
	HEMBA1006081,	HEMBA1006090,	HEMBA1006091,	HEMBA1006092,	HEMBA1006100,	HEMBA1006108,
	HEMBA1006121,	HEMBA1006124,	HEMBA1006138,	HEMBA1006155,	HEMBA1006182,	HEMBA1006235,
50	HEMBA1006252,	HEMBA1006259,	HEMBA1006349,	HEMBA1006364,	HEMBA1006377,	HEMBA1006380,
	HEMBA1006381,	HEMBA1006406,	HEMBA1006416,	HEMBA1006421,	HEMBA1006424,	HEMBA1006426,
	HEMBA1006446,	HEMBA1006461,	HEMBA1006467,	HEMBA1006483,	HEMBA1006486,	HEMBA1006494,
	HEMBA1006497,	HEMBA1006530,	HEMBA1006535,	HEMBA1006546,	HEMBA1006562,	HEMBA1006566,
	HEMBA1006579,	HEMBA1006595,	HEMBA1006597,	HEMBA1006612,	HEMBA1006617,	HEMBA1006631,
55	HEMBA1006639,	HEMBA1006643,	HEMBA1006665,	HEMBA1006674,	HEMBA1006676,	HEMBA1006682,
	HEMBA1006695,	HEMBA1006709,	HEMBA1006717,	HEMBA1006744,	HEMBA1006754,	HEMBA1006767,
	HEMBA1006779,	HEMBA1006780,	HEMBA1006795,	HEMBA1006796,	HEMBA1006812,	HEMBA1006824,
	HEMBA1006832,	HEMBA1006865,	HEMBA1006900,	HEMBA1006936,	HEMBA1006949,	HEMBA1006993,

EP 1 074 617 A2

	HEMBA1007002,	HEMBA1007051,	HEMBA1007052,	HEMBA1007062,	HEMBA1007066,	HEMBA1007073,
	HEMBA1007078,	HEMBA1007080,	HEMBA1007085,	HEMBA1007112,	HEMBA1007113,	HEMBA1007129,
	HEMBA1007147,	HEMBA1007178,	HEMBA1007206,	HEMBA1007256,	HEMBA1007267,	HEMBA1007281,
	HEMBA1007288,	HEMBA1007319,	HEMBA1007320,	HEMBA1007322,	HEMBA1007327,	HEMBA1007341,
5	HEMBA1007342,	HEMBA1007347,	HEMBA1000005,	HEMBA1000008,	HEMBA1000018,	HEMBA1000024,
	HEMBA1000025,	HEMBA1000030,	HEMBA1000048,	HEMBA1000059,	HEMBA1000089,	HEMBA1000099,
	HEMBA1000103,	HEMBA1000113,	HEMBA1000136,	HEMBA1000141,	HEMBA1000173,	HEMBA1000198,
	HEMBA1000215,	HEMBA1000218,	HEMBA1000240,	HEMBA1000244,	HEMBA1000272,	HEMBA1000274,
	HEMBA1000312,	HEMBA1000318,	HEMBA1000335,	HEMBA1000336,	HEMBA1000337,	HEMBA1000338,
10	HEMBA1000339,	HEMBA1000341,	HEMBA1000343,	HEMBA1000354,	HEMBA1000374,	HEMBA1000391,
	HEMBA1000402,	HEMBA1000420,	HEMBA1000434,	HEMBA1000438,	HEMBA1000441,	HEMBA1000449,
	HEMBA1000480,	HEMBA1000491,	HEMBA1000493,	HEMBA1000510,	HEMBA1000530,	HEMBA1000550,
	HEMBA1000554,	HEMBA1000573,	HEMBA1000586,	HEMBA1000589,	HEMBA1000591,	HEMBA1000592,
	HEMBA1000623,	HEMBA1000630,	HEMBA1000637,	HEMBA1000649,	HEMBA1000652,	HEMBA1000671,
15	HEMBA1000672,	HEMBA1000673,	HEMBA1000684,	HEMBA1000705,	HEMBA1000706,	HEMBA1000709,
	HEMBA1000726,	HEMBA1000749,	HEMBA1000770,	HEMBA1000774,	HEMBA1000790,	HEMBA1000807,
	HEMBA1000810,	HEMBA1000822,	HEMBA1000826,	HEMBA1000835,	HEMBA1000848,	HEMBA1000852,
	HEMBA1000870,	HEMBA1000883,	HEMBA1000887,	HEMBA1000888,	HEMBA1000890,	HEMBA1000893,
	HEMBA1000908,	HEMBA1000913,	HEMBA1000917,	HEMBA1000991,	HEMBA1000996,	HEMBA1001004,
20	HEMBA1001008,	HEMBA1001014,	HEMBA1001020,	HEMBA1001024,	HEMBA1001047,	HEMBA1001051,
	HEMBA1001060,	HEMBA1001096,	HEMBA1001105,	HEMBA1001114,	HEMBA1001117,	HEMBA1001119,
	HEMBA1001126,	HEMBA1001133,	HEMBA1001142,	HEMBA1001153,	HEMBA1001169,	HEMBA1001182,
	HEMBA1001197,	HEMBA1001199,	HEMBA1001208,	HEMBA1001209,	HEMBA1001210,	HEMBA1001221,
	HEMBA1001249,	HEMBA1001253,	HEMBA1001254,	HEMBA1001271,	HEMBA1001289,	HEMBA1001304,
25	HEMBA1001315,	HEMBA1001317,	HEMBA1001335,	HEMBA1001337,	HEMBA1001356,	HEMBA1001364,
	HEMBA1001366,	HEMBA1001367,	HEMBA1001369,	HEMBA1001387,	HEMBA1001394,	HEMBA1001410,
	HEMBA1001424,	HEMBA1001426,	HEMBA1001436,	HEMBA1001449,	HEMBA1001458,	HEMBA1001500,
	HEMBA1001521,	HEMBA1001527,	HEMBA1001531,	HEMBA1001535,	HEMBA1001536,	HEMBA1001537,
	HEMBA1001565,	HEMBA1001585,	HEMBA1001588,	HEMBA1001603,	HEMBA1001618,	HEMBA1001619,
30	HEMBA1001635,	HEMBA1001653,	HEMBA1001665,	HEMBA1001668,	HEMBA1001684,	HEMBA1001685,
	HEMBA1001695,	HEMBA1001707,	HEMBA1001735,	HEMBA1001747,	HEMBA1001753,	HEMBA1001756,
	HEMBA1001760,	HEMBA1001785,	HEMBA1001797,	HEMBA1001812,	HEMBA1001816,	HEMBA1001834,
	HEMBA1001850,	HEMBA1001863,	HEMBA1001868,	HEMBA1001869,	HEMBA1001874,	HEMBA1001880,
	HEMBA1001899,	HEMBA1001906,	HEMBA1001910,	HEMBA1001911,	HEMBA1001921,	HEMBA1001922,
35	HEMBA1001930,	HEMBA1001944,	HEMBA1001945,	HEMBA1001947,	HEMBA1001952,	HEMBA1001957,
	HEMBA1001967,	HEMBA1001983,	HEMBA1001990,	HEMBA1001996,	HEMBA1002002,	HEMBA1002005,
	HEMBA1002043,	HEMBA1002045,	HEMBA1002049,	HEMBA1002050,	HEMBA1002068,	HEMBA1002092,
	HEMBA1002139,	HEMBA1002152,	HEMBA1002218,	HEMBA1002232,	HEMBA1002249,	HEMBA1002280,
	HEMBA1002300,	HEMBA1002327,	HEMBA1002329,	HEMBA1002358,	HEMBA1002359,	HEMBA1002371,
40	HEMBA1002381,	HEMBA1002409,	HEMBA1002415,	HEMBA1002425,	HEMBA1002453,	HEMBA1002457,
	HEMBA1002458,	HEMBA1002489,	HEMBA1002492,	HEMBA1002495,	HEMBA1002502,	HEMBA1002520,
	HEMBA1002522,	HEMBA1002534,	HEMBA1002545,	HEMBA1002579,	HEMBA1002582,	HEMBA1002596,
	HEMBA1002603,	HEMBA1002610,	HEMBA1002613,	HEMBA1002617,	HEMBA1002623,	HEMBA1002635,
	HEMBA1002677,	HEMBA1002683,	HEMBA1002684,	HEMBA1002697,	HEMBA1002699,	HEMBA1002702,
45	MAMMA1000009,	MAMMA1000019,	MAMMA1000025,	MAMMA1000043,	MAMMA1000057,	MAMMA1000069,
	MAMMA1000084,					
	MAMMA1000092,					
	MAMMA1000103,	MAMMA1000117,	MAMMA1000139,	MAMMA1000143,	MAMMA1000155,	MAMMA1000163,
	MAMMA1000171,	MAMMA1000175,	MAMMA1000198,	MAMMA1000227,	MAMMA1000241,	MAMMA1000251,
50	MAMMA1000254,	MAMMA1000257,	MAMMA1000264,	MAMMA1000266,	MAMMA1000270,	MAMMA1000279,
	MAMMA1000287,	MAMMA1000307,	MAMMA1000309,	MAMMA1000312,	MAMMA1000313,	MAMMA1000331,
	MAMMA1000339,	MAMMA1000340,	MAMMA1000348,	MAMMA1000356,	MAMMA1000360,	MAMMA1000361,
	MAMMA1000372,	MAMMA1000395,	MAMMA1000414,	MAMMA1000421,	MAMMA1000422,	MAMMA1000431,
	MAMMA1000444,	MAMMA1000458,	MAMMA1000468,	MAMMA1000490,	MAMMA1000500,	MAMMA1000522,
55	MAMMA1000524,	MAMMA1000559,	MAMMA1000567,	MAMMA1000576,	MAMMA1000583,	MAMMA1000594,
	MAMMA1000605,	MAMMA1000616,	MAMMA1000623,	MAMMA1000643,	MAMMA1000664,	MAMMA1000670,
	MAMMA1000696,	MAMMA1000707,	MAMMA1000720,	MAMMA1000744,	MAMMA1000746,	MAMMA1000752,
	MAMMA1000760,	MAMMA1000761,	MAMMA1000775,	MAMMA1000776,	MAMMA1000802,	MAMMA1000831,

EP 1 074 617 A2

	MAMMA1000839,	MAMMA1000843,	MAMMA1000851,	MAMMA1000855,	MAMMA1000856,	MAMMA1000863,
	MAMMA1000865,	MAMMA1000867,	MAMMA1000875,	MAMMA1000876,	MAMMA1000880,	MAMMA1000883,
	MAMMA1000906,	MAMMA1000908,	MAMMA1000914,	MAMMA1000921,	MAMMA1000931,	MAMMA1000940,
	MAMMA1000941,	MAMMA1000957,	MAMMA1000962,	MAMMA1000968,	MAMMA1000975,	MAMMA1000979,
5	MAMMA1000987,	MAMMA1001003,	MAMMA1001021,	MAMMA1001078,	MAMMA1001082,	MAMMA1001091,
	MAMMA1001110,	MAMMA1001126,	MAMMA1001143,	MAMMA1001162,	MAMMA1001186,	MAMMA1001191,
	MAMMA1001202,	MAMMA1001206,	MAMMA1001215,	MAMMA1001220,	MAMMA1001243,	MAMMA1001244,
	MAMMA1001249,	MAMMA1001252,	MAMMA1001256,	MAMMA1001268,	MAMMA1001271,	MAMMA1001274,
	MAMMA1001292,	MAMMA1001296,	MAMMA1001324,	MAMMA1001341,	MAMMA1001343,	MAMMA1001397,
10	MAMMA1001408,	MAMMA1001419,	MAMMA1001420,	MAMMA1001442,	MAMMA1001452,	MAMMA1001465,
	MAMMA1001502,	MAMMA1001510,	MAMMA1001522,	MAMMA1001547,	MAMMA1001551,	MAMMA1001575,
	MAMMA1001590,	MAMMA1001600,	MAMMA1001604,	MAMMA1001606,	MAMMA1001620,	MAMMA1001630,
	MAMMA1001635,	MAMMA1001649,	MAMMA1001663,	MAMMA1001670,	MAMMA1001671,	MAMMA1001683,
	MAMMA1001686,	MAMMA1001692,	MAMMA1001711,	MAMMA1001715,	MAMMA1001744,	MAMMA1001745,
15	MAMMA1001757,	MAMMA1001760,	MAMMA1001764,	MAMMA1001769,	MAMMA1001783,	MAMMA1001785,
	MAMMA1001788,	MAMMA1001790,	MAMMA1001806,	MAMMA1001812,	MAMMA1001815,	MAMMA1001817,
	MAMMA1001818,	MAMMA1001824,	MAMMA1001848,	MAMMA1001851,	MAMMA1001854,	MAMMA1001858,
	MAMMA1001864,	MAMMA1001874,	MAMMA1001878,	MAMMA1001890,	MAMMA1001907,	MAMMA1001908,
	MAMMA1001931,	MAMMA1001956,	MAMMA1001969,	MAMMA1001970,	MAMMA1002011,	MAMMA1002032,
20	MAMMA1002033,	MAMMA1002041,	MAMMA1002042,	MAMMA1002047,	MAMMA1002056,	MAMMA1002058,
	MAMMA1002068,	MAMMA1002078,	MAMMA1002082,	MAMMA1002084,	MAMMA1002093,	MAMMA1002094,
	MAMMA1002118,	MAMMA1002125,	MAMMA1002132,	MAMMA1002140,	MAMMA1002145,	MAMMA1002153,
	MAMMA1002155,	MAMMA1002156,	MAMMA1002174,	MAMMA1002209,	MAMMA1002230,	MAMMA1002243,
	MAMMA1002250,	MAMMA1002269,	MAMMA1002282,	MAMMA1002292,	MAMMA1002293,	MAMMA1002294,
25	MAMMA1002298,	MAMMA1002299,	MAMMA1002308,	MAMMA1002310,	MAMMA1002311,	MAMMA1002312,
	MAMMA1002317,	MAMMA1002319,	MAMMA1002322,	MAMMA1002333,	MAMMA1002339,	MAMMA1002352,
	MAMMA1002353,	MAMMA1002355,	MAMMA1002356,	MAMMA1002359,	MAMMA1002360,	MAMMA1002362,
	MAMMA1002380,	MAMMA1002384,	MAMMA1002392,	MAMMA1002411,	MAMMA1002413,	MAMMA1002417,
	MAMMA1002434,	MAMMA1002446,	MAMMA1002454,	MAMMA1002475,	MAMMA1002494,	MAMMA1002545,
30	MAMMA1002554,	MAMMA1002556,	MAMMA1002566,	MAMMA1002571,	MAMMA1002585,	MAMMA1002590,
	MAMMA1002597,	MAMMA1002612,	MAMMA1002618,	MAMMA1002636,	MAMMA1002646,	MAMMA1002665,
	MAMMA1002673,	MAMMA1002708,	MAMMA1002711,	MAMMA1002727,	MAMMA1002728,	MAMMA1002744,
	MAMMA1002748,	MAMMA1002758,	MAMMA1002764,	MAMMA1002765,	MAMMA1002775,	MAMMA1002780,
	MAMMA1002782,	MAMMA1002796,	MAMMA1002807,	MAMMA1002820,	MAMMA1002830,	MAMMA1002833,
35	MAMMA1002838,	MAMMA1002843,	MAMMA1002868,	MAMMA1002880,	MAMMA1002886,	MAMMA1002892,
	MAMMA1002895,	MAMMA1002909,	MAMMA1002941,	MAMMA1002964,	MAMMA1002973,	MAMMA1002987,
	MAMMA1003003,	MAMMA1003004,	MAMMA1003015,	MAMMA1003019,	MAMMA1003026,	MAMMA1003031,
	MAMMA1003039,	MAMMA1003044,	MAMMA1003049,	MAMMA1003056,	MAMMA1003066,	MAMMA1003099,
	MAMMA1003104,	MAMMA1003135,	NT2RM1000018,	NT2RM1000032,	NT2RM1000059,	NT2RM1000119,
40	NT2RM1000127,	NT2RM1000242,	NT2RM1000271,	NT2RM1000272,	NT2RM1000300,	NT2RM1000314,
	NT2RM1000341,	NT2RM1000365,	NT2RM1000399,	NT2RM1000669,	NT2RM1000672,	NT2RM1000699,
	NT2RM1000741,	NT2RM1000780,	NT2RM1000781,	NT2RM1000802,	NT2RM1000829,	NT2RM1000927,
	NT2RM1000962,	NT2RM1000978,	NT2RM1001043,	NT2RM1001044,	NT2RM1001066,	NT2RM1001074,
	NT2RM1001082,	NT2RM1001085,	NT2RM1001105,	NT2RM1001112,	NT2RM2000006,	NT2RM2000032,
45	NT2RM2000042,	NT2RM2000093,	NT2RM2000192,	NT2RM2000239,	NT2RM2000250,	NT2RM2000359,
	NT2RM2000374,	NT2RM2000420,	NT2RM2000540,	NT2RM2000567,	NT2RM2000569,	NT2RM2000635,
	NT2RM2000636,	NT2RM2000639,	NT2RM2000649,	NT2RM2000669,	NT2RM2000795,	NT2RM2000837,
	NT2RM2000952,	NT2RM2000984,	NT2RM2001004,	NT2RM2001131,	NT2RM2001141,	NT2RM2001152,
	NT2RM2001177,	NT2RM2001194,	NT2RM2001243,	NT2RM2001247,	NT2RM2001291,	NT2RM2001306,
50	NT2RM2001312,	NT2RM2001319,	NT2RM2001360,	NT2RM2001420,	NT2RM2001504,	NT2RM2001524,
	NT2RM2001544,	NT2RM2001582,	NT2RM2001588,	NT2RM2001637,	NT2RM2001641,	NT2RM2001675,
	NT2RM2001681,	NT2RM2001695,	NT2RM2001696,	NT2RM2001699,	NT2RM2001706,	NT2RM2001723,
	NT2RM2001727,	NT2RM2001768,	NT2RM2001784,	NT2RM2001805,	NT2RM2001840,	NT2RM2001855,
	NT2RM2001867,	NT2RM2001879,	NT2RM2001903,	NT2RM2001982,	NT2RM2002178,	NT2RM4000027,
55	NT2RM4000061,	NT2RM4000086,	NT2RM4000197,	NT2RM4000199,	NT2RM4000200,	NT2RM4000210,
	NT2RM4000244,	NT2RM4000251,	NT2RM4000265,	NT2RM4000324,	NT2RM4000327,	NT2RM4000349,
	NT2RM4000395,	NT2RM4000414,	NT2RM4000425,	NT2RM4000511,	NT2RM4000514,	NT2RM4000532,
	NT2RM4000534,	NT2RM4000585,	NT2RM4000603,	NT2RM4000689,	NT2RM4000698,	NT2RM4000717,

EP 1 074 617 A2

	NT2RM4000783,	NT2RM4000787,	NT2RM4000790,	NT2RM4000796,	NT2RM4000813,	NT2RM4000833,
	NT2RM4000848,	NT2RM4000852,	NT2RM4000855,	NT2RM4000887,	NT2RM4000895,	NT2RM4000950,
	NT2RM4000971,	NT2RM4000979,	NT2RM4001002,	NT2RM4001151,	NT2RM4001160,	NT2RM4001187,
	NT2RM4001191,	NT2RM4001204,	NT2RM4001258,	NT2RM4001309,	NT2RM4001384,	NT2RM4001410,
5	NT2RM4001414,	NT2RM4001437,	NT2RM4001489,	NT2RM4001522,	NT2RM4001557,	NT2RM4001565,
	NT2RM4001569,	NT2RM4001594,	NT2RM4001650,	NT2RM4001662,	NT2RM4001682,	NT2RM4001710,
	NT2RM4001715,	NT2RM4001746,	NT2RM4001754,	NT2RM4001836,	NT2RM4001841,	NT2RM4001842,
	NT2RM4001856,	NT2RM4001905,	NT2RM4001922,	NT2RM4001938,	NT2RM4001953,	NT2RM4001965,
	NT2RM4001984,	NT2RM4002018,	NT2RM4002044,	NT2RM4002128,	NT2RM4002140,	NT2RM4002256,
10	NT2RM4002266,	NT2RM4002281,	NT2RM4002294,	NT2RM4002301,	NT2RM4002344,	NT2RM4002373,
	NT2RM4002374,	NT2RM4002383,	NT2RM4002390,	NT2RM4002398,	NT2RM4002420,	NT2RM4002457,
	NT2RM4002504,	NT2RM4002534,	NT2RM4002567,	NT2RM4002593,	NT2RP1000063,	NT2RP1000112,
	NT2RP1000124,	NT2RP1000170,	NT2RP1000243,	NT2RP1000259,	NT2RP1000324,	NT2RP1000357,
	NT2RP1000409,	NT2RP1000416,	NT2RP1000581,	NT2RP1000688,	NT2RP1000695,	NT2RP1000721,
15	NT2RP1000730,	NT2RP1000796,	NT2RP1000836,	NT2RP1000846,	NT2RP1000851,	NT2RP1000916,
	NT2RP1000943,	NT2RP1000944,	NT2RP1000980,	NT2RP1000988,	NT2RP1001014,	NT2RP1001173,
	NT2RP1001199,	NT2RP1001248,	NT2RP1001424,	NT2RP1001432,	NT2RP1001466,	NT2RP1001475,
	NT2RP1001616,	NT2RP2000001,	NT2RP2000007,	NT2RP2000027,	NT2RP2000079,	NT2RP2000088,
	NT2RP2000097,	NT2RP2000098,	NT2RP2000108,	NT2RP2000198,	NT2RP2000205,	NT2RP2000208,
20	NT2RP2000232,	NT2RP2000233,	NT2RP2000239,	NT2RP2000274,	NT2RP2000298,	NT2RP2000327,
	NT2RP2000328,	NT2RP2000337,	NT2RP2000369,	NT2RP2000412,	NT2RP2000438,	NT2RP2000498,
	NT2RP2000503,	NT2RP2000510,	NT2RP2000551,	NT2RP2000603,	NT2RP2000617,	NT2RP2000634,
	NT2RP2000644,	NT2RP2000656,	NT2RP2000658,	NT2RP2000678,	NT2RP2000704,	NT2RP2000715,
	NT2RP2000758,	NT2RP2000819,	NT2RP2000841,	NT2RP2000845,	NT2RP2000863,	NT2RP2000938,
25	NT2RP2000970,	NT2RP2000985,	NT2RP2001036,	NT2RP2001044,	NT2RP2001056,	NT2RP2001065,
	NT2RP2001094,	NT2RP2001119,	NT2RP2001137,	NT2RP2001149,	NT2RP2001173,	NT2RP2001196,
	NT2RP2001214,	NT2RP2001218,	NT2RP2001226,	NT2RP2001312,	NT2RP2001328,	NT2RP2001347,
	NT2RP2001381,	NT2RP2001427,	NT2RP2001450,	NT2RP2001467,	NT2RP2001506,	NT2RP2001628,
30	NT2RP2001675,	NT2RP2001677,	NT2RP2001678,	NT2RP2001720,	NT2RP2001721,	NT2RP2001813,
	NT2RP2001861,	NT2RP2001907,	NT2RP2001936,	NT2RP2001943,	NT2RP2001946,	NT2RP2001969,
	NT2RP2002032,	NT2RP2002033,	NT2RP2002041,	NT2RP2002047,	NT2RP2002056,	NT2RP2002076,
	NT2RP2002154,	NT2RP2002172,	NT2RP2002219,	NT2RP2002231,	NT2RP2002235,	NT2RP2002292,
	NT2RP2002316,	NT2RP2002333,	NT2RP2002373,	NT2RP2002426,	NT2RP2002439,	NT2RP2002475,
	NT2RP2002498,	NT2RP2002546,	NT2RP2002549,	NT2RP2002621,	NT2RP2002672,	NT2RP2002677,
35	NT2RP2002706,	NT2RP2002736,	NT2RP2002752,	NT2RP2002753,	NT2RP2002755,	NT2RP2002769,
	NT2RP2002800,	NT2RP2002843,	NT2RP2002891,	NT2RP2002954,	NT2RP2002979,	NT2RP2003034,
	NT2RP2003073,	NT2RP2003099,	NT2RP2003101,	NT2RP2003108,	NT2RP2003117,	NT2RP2003161,
	NT2RP2003165,	NT2RP2003194,	NT2RP2003206,	NT2RP2003237,	NT2RP2003280,	NT2RP2003293,
	NT2RP2003339,	NT2RP2003367,	NT2RP2003393,	NT2RP2003445,	NT2RP2003456,	NT2RP2003511,
40	NT2RP2003533,	NT2RP2003559,	NT2RP2003567,	NT2RP2003581,	NT2RP2003687,	NT2RP2003691,
	NT2RP2003727,	NT2RP2003751,	NT2RP2003764,	NT2RP2003769,	NT2RP2003793,	NT2RP2003799,
	NT2RP2003825,	NT2RP2003885,	NT2RP2003976,	NT2RP2003984,	NT2RP2003986,	NT2RP2003988,
	NT2RP2004042,	NT2RP2004081,	NT2RP2004095,	NT2RP2004124,	NT2RP2004152,	NT2RP2004165,
	NT2RP2004207,	NT2RP2004226,	NT2RP2004316,	NT2RP2004321,	NT2RP2004339,	NT2RP2004347,
45	NT2RP2004364,	NT2RP2004365,	NT2RP2004373,	NT2RP2004399,	NT2RP2004400,	NT2RP2004412,
	NT2RP2004463,	NT2RP2004490,	NT2RP2004523,	NT2RP2004551,	NT2RP2004580,	NT2RP2004594,
	NT2RP2004600,	NT2RP2004602,	NT2RP2004614,	NT2RP2004664,	NT2RP2004675,	NT2RP2004709,
	NT2RP2004743,	NT2RP2004767,	NT2RP2004802,	NT2RP2004841,	NT2RP2004861,	NT2RP2004897,
	NT2RP2004962,	NT2RP2004982,	NT2RP2004999,	NT2RP2005000,	NT2RP2005001,	NT2RP2005018,
50	NT2RP2005020,	NT2RP2005022,	NT2RP2005031,	NT2RP2005147,	NT2RP2005254,	NT2RP2005287,
	NT2RP2005453,	NT2RP2005454,	NT2RP2005464,	NT2RP2005472,	NT2RP2005495,	NT2RP2005501,
	NT2RP2005540,	NT2RP2005555,	NT2RP2005600,	NT2RP2005622,	NT2RP2005637,	NT2RP2005640,
	NT2RP2005645,	NT2RP2005683,	NT2RP2005690,	NT2RP2005726,	NT2RP2005732,	NT2RP2005741,
	NT2RP2005748,	NT2RP2005804,	NT2RP2005806,	NT2RP2005815,	NT2RP2005853,	NT2RP2005859,
55	NT2RP2005868,	NT2RP2005882,	NT2RP2005886,	NT2RP2005890,	NT2RP2005901,	NT2RP2005980,
	NT2RP2006023,	NT2RP2006038,	NT2RP2006052,	NT2RP2006103,	NT2RP2006106,	NT2RP2006166,
	NT2RP2006186,	NT2RP2006196,	NT2RP2006200,	NT2RP2006237,	NT2RP2006258,	NT2RP2006321,
	NT2RP2006333,	NT2RP2006334,	NT2RP2006365,	NT2RP2006393,	NT2RP2006441,	NT2RP2006454,

EP 1 074 617 A2

	NT2RP2006467,	NT2RP2006472,	NT2RP2006554,	NT2RP3000002,	NT2RP3000055,	NT2RP3000072,
	NT2RP3000080,	NT2RP3000142,	NT2RP3000149,	NT2RP3000197,	NT2RP3000220,	NT2RP3000235,
	NT2RP3000247,	NT2RP3000251,	NT2RP3000267,	NT2RP3000312,	NT2RP3000324,	NT2RP3000348,
	NT2RP3000418,	NT2RP3000449,	NT2RP3000451,	NT2RP3000456,	NT2RP3000484,	NT2RP3000526,
5	NT2RP3000542,	NT2RP3000561,	NT2RP3000584,	NT2RP3000592,	NT2RP3000599,	NT2RP3000622,
	NT2RP3000628,	NT2RP3000644,	NT2RP3000661,	NT2RP3000665,	NT2RP3000690,	NT2RP3000736,
	NT2RP3000836,	NT2RP3000841,	NT2RP3000850,	NT2RP3000859,	NT2RP3000865,	NT2RP3000901,
	NT2RP3000980,	NT2RP3001004,	NT2RP3001007,	NT2RP3001109,	NT2RP3001115,	NT2RP3001116,
	NT2RP3001119,	NT2RP3001133,	NT2RP3001232,	NT2RP3001236,	NT2RP3001245,	NT2RP3001274,
10	NT2RP3001281,	NT2RP3001297,	NT2RP3001318,	NT2RP3001325,	NT2RP3001356,	NT2RP3001374,
	NT2RP3001392,	NT2RP3001396,	NT2RP3001420,	NT2RP3001432,	NT2RP3001447,	NT2RP3001449,
	NT2RP3001459,	NT2RP3001607,	NT2RP3001608,	NT2RP3001621,	NT2RP3001629,	NT2RP3001676,
	NT2RP3001678,	NT2RP3001698,	NT2RP3001752,	NT2RP3001777,	NT2RP3001844,	NT2RP3001896,
	NT2RP3001915,	NT2RP3001929,	NT2RP3002033,	NT2RP3002063,	NT2RP3002097,	NT2RP3002099,
15	NT2RP3002102,	NT2RP3002142,	NT2RP3002146,	NT2RP3002147,	NT2RP3002166,	NT2RP3002173,
	NT2RP3002181,	NT2RP3002244,	NT2RP3002248,	NT2RP3002255,	NT2RP3002276,	NT2RP3002304,
	NT2RP3002343,	NT2RP3002402,	NT2RP3002484,	NT2RP3002512,	NT2RP3002545,	NT2RP3002566,
	NT2RP3002587,	NT2RP3002590,	NT2RP3002603,	NT2RP3002659,	NT2RP3002660,	NT2RP3002713,
	NT2RP3002763,	NT2RP3002799,	NT2RP3002861,	NT2RP3002877,	NT2RP3002911,	NT2RP3002955,
20	NT2RP3003121,	NT2RP3003139,	NT2RP3003150,	NT2RP3003155,	NT2RP3003157,	NT2RP3003204,
	NT2RP3003210,	NT2RP3003264,	NT2RP3003344,	NT2RP3003346,	NT2RP3003377,	NT2RP3003403,
	NT2RP3003427,	NT2RP3003433,	NT2RP3003543,	NT2RP3003552,	NT2RP3003564,	NT2RP3003572,
	NT2RP3003625,	NT2RP3003656,	NT2RP3003680,	NT2RP3003686,	NT2RP3003795,	NT2RP3003805,
	NT2RP3003819,	NT2RP3003833,	NT2RP3003842,	NT2RP3003870,	NT2RP3003932,	NT2RP3003989,
25	NT2RP3004028,	NT2RP3004041,	NT2RP3004070,	NT2RP3004093,	NT2RP3004095,	NT2RP3004145,
	NT2RP3004215,	NT2RP3004246,	NT2RP3004253,	NT2RP3004332,	NT2RP3004341,	NT2RP3004349,
	NT2RP3004451,	NT2RP3004466,	NT2RP3004470,	NT2RP3004539,	NT2RP4000023,	NT2RP4000035,
	NT2RP4000049,	NT2RP4000102,	NT2RP4000150,	NT2RP4000159,	NT2RP4000167,	NT2RP4000185,
	NT2RP4000218,	NT2RP4000355,	NT2RP4000360,	NT2RP4000381,	NT2RP4000424,	NT2RP4000448,
30	NT2RP4000480,	NT2RP4000515,	NT2RP4000517,	NT2RP4000519,	NT2RP4000541,	NT2RP4000638,
	NT2RP4000704,	NT2RP4000728,	NT2RP4000739,	NT2RP4000955,	NT2RP4000975,	NT2RP4000984,
	NT2RP4001006,	NT2RP4001100,	NT2RP4001210,	NT2RP4001343,	NT2RP4001353,	NT2RP4001442,
	NT2RP4001447,	NT2RP4001502,	NT2RP4001507,	NT2RP4001524,	NT2RP4001610,	NT2RP4001614,
	NT2RP4001679,	NT2RP4001828,	NT2RP4001841,	NT2RP4001901,	NT2RP4001953,	NT2RP4002071,
35	NT2RP4002083,	NT2RP4002298,	NT2RP4002888,	NT2RP5003492,	NT2RP5003512,	NT2RP5003524,
	OVARC1000008,	OVARC1000017,	OVARC1000035,	OVARC1000058,	OVARC1000068,	OVARC1000092,
	OVARC1000109,	OVARC1000113,	OVARC1000114,	OVARC1000145,	OVARC1000168,	OVARC1000198,
	OVARC1000212,	OVARC1000240,	OVARC1000302,	OVARC1000321,	OVARC1000347,	OVARC1000384,
	OVARC1000408,	OVARC1000411,	OVARC1000414,	OVARC1000420,	OVARC1000440,	OVARC1000442,
40	OVARC1000443,	OVARC1000461,	OVARC1000466,	OVARC1000496,	OVARC1000533,	OVARC1000557,
	OVARC1000576,	OVARC1000578,	OVARC1000588,	OVARC1000605,	OVARC1000622,	OVARC1000640,
	OVARC1000661,	OVARC1000678,	OVARC1000681,	OVARC1000703,	OVARC1000724,	OVARC1000730,
	OVARC1000781,	OVARC1000787,	OVARC1000802,	OVARC1000883,	OVARC1000886,	OVARC1000891,
	OVARC1000912,	OVARC1000960,	OVARC1000964,	OVARC1000971,	OVARC1001000,	OVARC1001004,
45	OVARC1001010,	OVARC1001011,	OVARC1001029,	OVARC1001032,	OVARC1001040,	OVARC1001044,
	OVARC1001072,	OVARC1001074,	OVARC1001118,	OVARC1001161,	OVARC1001162,	OVARC1001167,
	OVARC1001169,	OVARC1001170,	OVARC1001173,	OVARC1001176,	OVARC1001188,	OVARC1001240,
	OVARC1001243,	OVARC1001261,	OVARC1001270,	OVARC1001296,	OVARC1001339,	OVARC1001341,
	OVARC1001344,	OVARC1001357,	OVARC1001360,	OVARC1001369,	OVARC1001376,	OVARC1001399,
50	OVARC1001425,	OVARC1001442,	OVARC1001480,	OVARC1001489,	OVARC1001525,	OVARC1001600,
	OVARC1001611,	OVARC1001768,	OVARC1001791,	OVARC1001795,	OVARC1001802,	OVARC1001813,
	OVARC1001828,	OVARC1001846,	OVARC1001861,	OVARC1001873,	OVARC1001879,	OVARC1001880,
	OVARC1001883,	OVARC1001916,	OVARC1001928,	OVARC1001950,	OVARC1002082,	OVARC1002107,
	OVARC1002143,	PLACE1000005,	PLACE1000048,	PLACE1000078,	PLACE1000094,	PLACE1000214,
55	PLACE1000236,	PLACE1000246,	PLACE1000292,	PLACE1000308,	PLACE1000332,	PLACE1000347,
	PLACE1000374,	PLACE1000380,	PLACE1000435,	PLACE1000444,	PLACE1000453,	PLACE1000564,
	PLACE1000599,	PLACE1000716,	PLACE1000748,	PLACE1000749,	PLACE1000785,	PLACE1000798,
	PLACE1000814,	PLACE1000849,	PLACE1000856,	PLACE1000931,	PLACE1001000,	PLACE1001007,

EP 1 074 617 A2

	PLACE1001010,	PLACE1001015,	PLACE1001024,	PLACE1001076,	PLACE1001088,	PLACE1001136,
	PLACE1001168,	PLACE1001185,	PLACE1001280,	PLACE1001311,	PLACE1001323,	PLACE1001351,
	PLACE1001366,	PLACE1001395,	PLACE1001399,	PLACE1001412,	PLACE1001414,	PLACE1001440,
	PLACE1001456,	PLACE1001484,	PLACE1001503,	PLACE1001545,	PLACE1001570,	PLACE1001608,
5	PLACE1001634,	PLACE1001640,	PLACE1001705,	PLACE1001720,	PLACE1001729,	PLACE1001740,
	PLACE1001745,	PLACE1001746,	PLACE1001799,	PLACE1001810,	PLACE1001897,	PLACE1001912,
	PLACE1001928,	PLACE1002004,	PLACE1002066,	PLACE1002072,	PLACE1002115,	PLACE1002157,
	PLACE1002163,	PLACE1002170,	PLACE1002227,	PLACE1002256,	PLACE1002259,	PLACE1002319,
	PLACE1002342,	PLACE1002465,	PLACE1002477,	PLACE1002514,	PLACE1002529,	PLACE1002537,
10	PLACE1002578,	PLACE1002625,	PLACE1002768,	PLACE1002772,	PLACE1002815,	PLACE1002839,
	PLACE1002853,	PLACE1002941,	PLACE1002962,	PLACE1002968,	PLACE1002993,	PLACE1002996,
	PLACE1003025,	PLACE1003027,	PLACE1003092,	PLACE1003108,	PLACE1003145,	PLACE1003200,
	PLACE1003205,	PLACE1003249,	PLACE1003256,	PLACE1003342,	PLACE1003343,	PLACE1003361,
	PLACE1003373,	PLACE1003375,	PLACE1003383,	PLACE1003454,	PLACE1003478,	PLACE1003516,
15	PLACE1003528,	PLACE1003566,	PLACE1003584,	PLACE1003592,	PLACE1003593,	PLACE1003618,
	PLACE1003638,	PLACE1003711,	PLACE1003762,	PLACE1003784,	PLACE1003795,	PLACE1003864,
	PLACE1003870,	PLACE1003886,	PLACE1003892,	PLACE1003900,	PLACE1003936,	PLACE1004114,
	PLACE1004118,	PLACE1004156,	PLACE1004161,	PLACE1004274,	PLACE1004284,	PLACE1004336,
	PLACE1004376,	PLACE1004384,	PLACE1004388,	PLACE1004405,	PLACE1004425,	PLACE1004451,
20	PLACE1004491,	PLACE1004516,	PLACE1004518,	PLACE1004548,	PLACE1004645,	PLACE1004664,
	PLACE1004672,	PLACE1004681,	PLACE1004686,	PLACE1004691,	PLACE1004693,	PLACE1004716,
	PLACE1004722,	PLACE1004736,	PLACE1004740,	PLACE1004815,	PLACE1004824,	PLACE1004836,
	PLACE1004838,	PLACE1004885,	PLACE1004900,	PLACE1004913,	PLACE1004934,	PLACE1004979,
	PLACE1004982,	PLACE1004985,	PLACE1005026,	PLACE1005027,	PLACE1005046,	PLACE1005055,
25	PLACE1005077,	PLACE1005085,	PLACE1005101,	PLACE1005108,	PLACE1005111,	PLACE1005128,
	PLACE1005146,	PLACE1005181,	PLACE1005232,	PLACE1005261,	PLACE1005266,	PLACE1005277,
	PLACE1005308,	PLACE1005335,	PLACE1005374,	PLACE1005409,	PLACE1005453,	PLACE1005477,
	PLACE1005480,	PLACE1005481,	PLACE1005550,	PLACE1005554,	PLACE1005574,	PLACE1005603,
	PLACE1005639,	PLACE1005730,	PLACE1005755,	PLACE1005799,	PLACE1005802,	PLACE1005828,
30	PLACE1005850,	PLACE1005851,	PLACE1005923,	PLACE1005925,	PLACE1005932,	PLACE1005936,
	PLACE1005968,	PLACE1005990,	PLACE1006002,	PLACE1006017,	PLACE1006037,	PLACE1006076,
	PLACE1006129,	PLACE1006139,	PLACE1006143,	PLACE1006159,	PLACE1006195,	PLACE1006236,
	PLACE1006246,	PLACE1006248,	PLACE1006325,	PLACE1006357,	PLACE1006360,	PLACE1006371,
	PLACE1006382,	PLACE1006412,	PLACE1006414,	PLACE1006445,	PLACE1006470,	PLACE1006521,
35	PLACE1006598,	PLACE1006617,	PLACE1006640,	PLACE1006673,	PLACE1006704,	PLACE1006760,
	PLACE1006779,	PLACE1006782,	PLACE1006792,	PLACE1006795,	PLACE1006805,	PLACE1006815,
	PLACE1006867,	PLACE1006883,	PLACE1006932,	PLACE1006961,	PLACE1006962,	PLACE1006966,
	PLACE1007021,	PLACE1007045,	PLACE1007053,	PLACE1007068,	PLACE1007097,	PLACE1007112,
	PLACE1007178,	PLACE1007218,	PLACE1007238,	PLACE1007242,	PLACE1007301,	PLACE1007342,
40	PLACE1007367,	PLACE1007402,	PLACE1007450,	PLACE1007452,	PLACE1007454,	PLACE1007460,
	PLACE1007478,	PLACE1007507,	PLACE1007524,	PLACE1007557,	PLACE1007618,	PLACE1007621,
	PLACE1007677,	PLACE1007690,	PLACE1007725,	PLACE1007730,	PLACE1007737,	PLACE1007743,
	PLACE1007746,	PLACE1007807,	PLACE1007810,	PLACE1007843,	PLACE1007846,	PLACE1007858,
	PLACE1007866,	PLACE1007990,	PLACE1008002,	PLACE1008045,	PLACE1008095,	PLACE1008122,
45	PLACE1008129,	PLACE1008181,	PLACE1008209,	PLACE1008231,	PLACE1008280,	PLACE1008329,
	PLACE1008369,	PLACE1008392,	PLACE1008401,	PLACE1008405,	PLACE1008455,	PLACE1008457,
	PLACE1008488,	PLACE1008524,	PLACE1008584,	PLACE1008621,	PLACE1008625,	PLACE1008626,
	PLACE1008629,	PLACE1008630,	PLACE1008748,	PLACE1008757,	PLACE1008798,	PLACE1008851,
	PLACE1008854,	PLACE1008867,	PLACE1008887,	PLACE1008902,	PLACE1008925,	PLACE1008941,
50	PLACE1008947,	PLACE1009039,	PLACE1009048,	PLACE1009050,	PLACE1009090,	PLACE1009091,
	PLACE1009110,	PLACE1009111,	PLACE1009150,	PLACE1009166,	PLACE1009174,	PLACE1009190,
	PLACE1009200,	PLACE1009230,	PLACE1009328,	PLACE1009335,	PLACE1009375,	PLACE1009388,
	PLACE1009410,	PLACE1009434,	PLACE1009459,	PLACE1009539,	PLACE1009542,	PLACE1009581,
	PLACE1009595,	PLACE1009607,	PLACE1009621,	PLACE1009637,	PLACE1009665,	PLACE1009794,
55	PLACE1009886,	PLACE1009888,	PLACE1009921,	PLACE1009947,	PLACE1009971,	PLACE1009995,
	PLACE1010023,	PLACE1010031,	PLACE1010069,	PLACE1010076,	PLACE1010102,	PLACE1010106,
	PLACE1010202,	PLACE1010270,	PLACE1010274,	PLACE1010293,	PLACE1010324,	PLACE1010329,
	PLACE1010364,	PLACE1010383,	PLACE1010401,	PLACE1010491,	PLACE1010492,	PLACE1010562,

# EP 1 074 617 A2

PLACE1010616, PLACE1010624, PLACE1010629, PLACE1010630, PLACE1010714, PLACE1010786,  
 PLACE1010800, PLACE1010802, PLACE1010856, PLACE1010857, PLACE1010877, PLACE1010900,  
 PLACE1010916, PLACE1010925, PLACE1010944, PLACE1010947, PLACE1010965, PLACE1011026,  
 PLACE1011032, PLACE1011054, PLACE1011057, PLACE1011133, PLACE1011143, PLACE1011165,  
 5 PLACE1011273, PLACE1011291, PLACE1011325, PLACE1011452, PLACE1011465, PLACE1011472,  
 PLACE1011503, PLACE1011520, PLACE1011563, PLACE1011567, PLACE1011643, PLACE1011649,  
 PLACE1011650, PLACE1011675, PLACE1011682, PLACE1011719, PLACE1011725, PLACE1011729,  
 PLACE1011874, PLACE1011875, PLACE1011891, PLACE1011982, PLACE2000003, PLACE2000006,  
 PLACE2000007, PLACE2000017, PLACE2000047, PLACE2000050, PLACE2000061, PLACE2000097,  
 10 PLACE2000100, PLACE2000103, PLACE2000115, PLACE2000124, PLACE2000140, PLACE2000170,  
 PLACE2000172, PLACE2000223, PLACE2000235, PLACE2000302, PLACE2000317, PLACE2000347,  
 PLACE2000359, PLACE2000366, PLACE2000394, PLACE2000433, PLACE2000450, PLACE2000455,  
 PLACE3000070, PLACE3000103, PLACE3000119, PLACE3000136, PLACE3000142, PLACE3000148,  
 PLACE3000155, PLACE3000156, PLACE3000157, PLACE3000158, PLACE3000160, PLACE3000194,  
 15 PLACE3000197, PLACE3000199, PLACE3000207, PLACE3000208, PLACE3000221, PLACE3000230,  
 PLACE3000271, PLACE3000276, PLACE3000304, PLACE3000310, PLACE3000320, PLACE3000322,  
 PLACE3000331, PLACE3000341, PLACE3000352, PLACE3000353, PLACE3000362, PLACE3000363,  
 PLACE3000365, PLACE3000388, PLACE3000401, PLACE3000402, PLACE3000405, PLACE3000425,  
 PLACE3000475, PLACE4000089, PLACE4000093, PLACE4000106, PLACE4000131, PLACE4000147,  
 20 PLACE4000222, PLACE4000252, PLACE4000270, PLACE4000320, PLACE4000323, PLACE4000344,  
 PLACE4000367, PLACE4000392, PLACE4000411, PLACE4000445, PLACE4000465, PLACE4000521,  
 PLACE4000590, PLACE4000612, PLACE4000638, PLACE4000670, THYRO1000026, THYRO1000070,  
 THYRO1000092, THYRO1000107, THYRO1000111, THYRO1000124, THYRO1000186, THYRO1000187,  
 THYRO1000199, THYRO1000206, THYRO1000241, THYRO1000253, THYRO1000270, THYRO1000279,  
 25 THYRO1000320, THYRO1000368, THYRO1000381, THYRO1000387, THYRO1000452, THYRO1000471,  
 THYRO1000484, THYRO1000502, THYRO1000505, THYRO1000558, THYRO1000596, THYRO1000625,  
 THYRO1000637, THYRO 1000676, THYRO1000712, THYRO1000715, THYRO1000734, THYRO1000777,  
 THYRO1000787, THYRO1000793, THYRO1000796, THYRO1000805, THYRO1000815, THYRO1000843,  
 THYRO1000855, THYRO1000865, THYRO1000895, THYRO1000916, THYRO1000952, THYRO1000988,  
 30 THYRO1001031, THYRO1001062, THYRO1001133, THYRO1001142, THYRO1001173, THYRO1001213,  
 THYRO1001262, THYRO1001321, THYRO1001322, THYRO1001363, THYRO1001365, THYRO1001403,  
 THYRO1001411, THYRO1001426, THYRO1001434, THYRO1001480, THYRO1001487, THYRO1001559,  
 THYRO1001570, THYRO1001584, THYRO1001595, THYRO1001602, THYRO1001605, THYRO1001637,  
 THYRO1001673, THYRO1001706, THYRO1001745, THYRO1001746, THYRO1001772, THYRO1001793,  
 35 THYRO1001854, THYRO1001895, THYRO1001907, VESEN1000122, Y79AA1000065, Y79AA1000131,  
 Y79AA1000202, Y79AA1000230, Y79AA1000355, Y79AA1000410, Y79AA1000480, Y79AA1000539,  
 Y79AA1000574, Y79AA1000774, Y79AA1000802, Y79AA1000805, Y79AA1000824, Y79AA1000827,  
 Y79AA1000850, Y79AA1000969, Y79AA1001041, Y79AA1001061, Y79AA1001068, Y79AA1001077,  
 Y79AA1001078, Y79AA1001145, Y79AA1001167, Y79AA1001185, Y79AA1001216, Y79AA1001228,  
 40 Y79AA1001281, Y79AA1001511, Y79AA1001541, Y79AA1001555, Y79AA1001585, Y79AA1001665,  
 Y79AA1001696, Y79AA1001781, Y79AA1001805, Y79AA1002089, Y79AA1002115, Y79AA1002125,  
 Y79AA1002220, Y79AA1002234, Y79AA1002298, Y79AA1002407, MAMMA1002215, MAMMA1002721,  
 NT2RP2002070,

## 45 Homology Search Result Data 1.

[0296] The result of the homology search of the SwissProt using the 5'-end sequence.

[0297] Data include

50 the name of clone,  
 definition of the top hit data,  
 the P-value: the length of the compared sequence: identity (%), and  
 the organism and the Accession No. of the top hit data, as in the order separated by //.

55 [0298] Data are not shown for the clones in which the P-value was higher than 1.

[0299] The P-value is a score obtained statistically by taking into account the possible similarity between two sequences. In general, the smaller P-value reflects the higher similarity. (Altschul, S.F., Gish, W., Miller, W., Myers, E.W. & Lipman, D.J. (1990) "Basic local alignment search tool." J. Mol. Biol. 215:403-410; Gish, W. &

States, D.J. (1993) "Identification of protein coding regions by database similarity search." Nature Genet. 3:266-272).

5 F-HEMBA1000005//DNAJ PROTEIN HOMOLOG MTJ1//1.8e-85:244:75//MUS MUSCULUS (MOUSE)//Q61712  
 F-HEMBA1000012//PROBABLE LEUCYL-TRNA SYNTHETASE (EC 6.1.1.4) (LEUCINETRNA LIGASE)  
 (LEURS)//7.6e-57:231:53//CAENORHABDITIS ELEGANS//Q09996  
 F-HEMBA1000020//TUBULIN BETA CHAIN//1.0e-92:143:80//AJELLOMYCES CAPSULATA (HISTOPLASMA  
 CAPSULATUM)//P41742  
 10 F-HEMBA1000030//CIRCUMSPOROZOITE PROTEIN PRECURSOR (CS)//0.021:136:33//PLASMODIUM  
 KNOWLES (STRAIN NURI)//P04922  
 F-HEMBA1000042//METALLOTHIONEIN 10-II (MT-10-II)//0.71:64:32//MYTILUS EDULIS (BLUE MUSSEL)//  
 P80247  
 F-HEMBA1000046//PROTEIN Q300//0.92:40:37//MUS MUSCULUS (MOUSE)//Q02722  
 F-HEMBA1000050//COMPETENCE PROTEIN S//0.50:28:35//BACILLUS SUBTILIS//P80355  
 15 F-HEMBA1000076//ATP SYNTHASE E CHAIN, MITOCHONDRIAL (EC 3.6.1.34)//0.86:41:41//HOMO SAPIENS  
 (HUMAN)//P56385  
 F-HEMBA1000111  
 F-HEMBA1000129//UVSW PROTEIN (DAR PROTEIN)//0.023:68:33//BACTERIOPHAGE T4//P20703  
 F-HEMBA1000141//YSY6 PROTEIN//0.90:29:37//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//  
 20 P38374  
 F-HEMBA1000150//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!//8.4e-16:47:70//HOMO SAPIENS (HUMAN)//  
 P39193  
 F-HEMBA1000156//IMMEDIATE-EARLY PROTEIN//8.1e-07:143:28//HERPESVIRUS SAIMIRI (STRAIN 11)//  
 Q01042  
 25 F-HEMBA1000158//HYPOTHETICAL PROTEIN KIAA0192 (FRAGMENT)//7.9e-11:129:40//HOMO SAPIENS  
 (HUMAN)//Q93074  
 F-HEMBA1000168//INSULIN RECEPTOR SUBSTRATE-2 (IRS-2) (4PS)//0.00055:86:36//MUS MUSCULUS  
 (MOUSE)//P81122  
 F-HEMBA1000180//VPU PROTEIN (U ORF PROTEIN)//0.22:73:28//CHIMPANZEE IMMUNODEFICIENCY VI-  
 30 RUS (SIV(CPZ)) (CIV)//P17286  
 F-HEMBA1000185//RAS-1 PROTEIN//5.1e-10:121:29//NEUROSPORA CRASSA//P22126  
 F-HEMBA1000193//PROLINE-RICH PEPTIDE P-B//0.00078:56:41//HOMO SAPIENS (HUMAN)//P02814  
 F-HEMBA1000201//PROLINE-RICH PROTEIN MP-2 PRECURSOR//0.00061:49:42//MUS MUSCULUS  
 (MOUSE)//P05142  
 35 F-HEMBA1000213  
 F-HEMBA1000216//HYPOXIA-INDUCIBLE FACTOR 1 ALPHA (HIF-1 ALPHA) (ARNT INTERACTING PRO-  
 TEIN)//1.6e-59:115:53//MUS MUSCULUS (MOUSE)//Q61221  
 F-HEMBA1000227//SUPPRESSOR PROTEIN SRP40//0.00059:135:22//SACCHAROMYCES CEREVISIAE  
 (BAKER'S YEAST)//P32583  
 40 F-HEMBA1000231//HYPOTHETICAL 60.7 KD PROTEIN C56F8.17C IN CHROMOSOME I//0.024:60:38//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q10264  
 F-HEMBA1000243//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//0.0038:125:34//HOMO SAPIENS (HU-  
 MAN)//P08547  
 45 F-HEMBA1000244//HYPOTHETICAL 123.6 KD PROTEIN IN POR2-COX5B INTERGENIC REGION//3.1e-17:  
 149:36//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40480  
 F-HEMBA1000251  
 F-HEMBA1000264//PROBABLE E5 PROTEIN//1.0:49:36//HUMAN PAPILLOMAVIRUS TYPE 58//P26552  
 F-HEMBA1000280//SHORT NEUROTOXIN 1 (TOXIN C-6)//0.98:58:31//NAJA NAJA KAOUTHIA (MONOCLED  
 COBRA) (NAJA NAJA SIAMENSIS)//P14613  
 50 F-HEMBA1000282//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!//0.14:26:65//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-HEMBA1000288  
 F-HEMBA1000290//HYPOTHETICAL 14 KD PROTEIN IN TVRI-6 REPETITIVE REGION//3.8e-06:98:39//HOMO  
 SAPIENS (HUMAN)//P10516  
 55 F-HEMBA1000302  
 F-HEMBA1000303//HYPOTHETICAL 104.4 KD PROTEIN F54G8.4 IN CHROMOSOME III//1.3e-05:69:42//  
 CAENORHABDITIS ELEGANS//Q03601  
 F-HEMBA1000304//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!//0.021:18:83//HOMO SAPIENS (HUMAN)//



P39194  
 F-HEMBA1000307//MYOSIN HEAVY CHAIN, CLONE 203 (FRAGMENT)//7.1e-06:235:25//HYDRA ATTENUATA  
 (HYDRA) (HYDRA VULGARIS)//P39922  
 F-HEMBA1000327  
 5 F-HEMBA1000333//SRP1 PROTEIN//1.0:159:30//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//  
 Q10193  
 F-HEMBA1000338//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/8.8e-26:36:83//HOMO SAPIENS (HUMAN)//  
 P39193  
 F-HEMBA1000351  
 10 F-HEMBA1000355//BASIC PROLINE-RICH PEPTIDE P-E (IB-9)//0.99:22:50//HOMO SAPIENS (HUMAN)//  
 P02811  
 F-HEMBA1000356//IMMEDIATE-EARLY PROTEIN IE180//0.11:82:36//PSEUDORABIES VIRUS (STRAIN INDI-  
 ANA-FUNKHAUSER / BECKER) (PRV)//P11675  
 F-HEMBA1000357//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/2.1e-35:105:74//HOMO SAPIENS (HU-  
 15 MAN)//P39192  
 F-HEMBA1000366//HYPOTHETICAL TRANSCRIPTIONAL REGULATOR AF1627//1.0:28:42//ARCHAEOGLO-  
 BUS FULGIDUS//O28646  
 F-HEMBA1000369//PRESYNAPTIC DENSITY PROTEIN 95 (PSD-95)//0.013:140:26//HOMO SAPIENS (HU-  
 MAN)//P78352  
 20 F-HEMBA1000376//RETROVIRUS-RELATED POL POLYPROTEIN [CONTAINS: REVERSE TRANSCRIPTASE  
 (EC 2.7.7.49); ENDONUCLEASE]//6.8e-08:66:42//MUS MUSCULUS (MOUSE)//P11369  
 F-HEMBA1000387//HYPOTHETICAL 63.2 KD PROTEIN C1F3.09 IN CHROMOSOME I//1.5e-15:177:32//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q10414  
 F-HEMBA1000390//PARATHYMOSIN//0.0071:61:29//HOMO SAPIENS (HUMAN)//P20962  
 25 F-HEMBA1000392//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/2.1e-30:92:69//HOMO SAPIENS (HU-  
 MAN)//P39194  
 F-HEMBA1000396//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//3.9e-23:64:57//HOMO SAPIENS (HU-  
 MAN)//P08547  
 F-HEMBA1000411  
 30 F-HEMBA1000418  
 F-HEMBA1000422//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/8.3e-10:90:53//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-HEMBA1000428//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//3.1e-12:72:55//HOMO SAPIENS (HU-  
 MAN)//P08547  
 35 F-HEMBA1000434  
 F-HEMBA1000442//GENE 11 PROTEIN//1.0:28:46//SPIROPLASMA VIRUS SPV1-R8A2 B//P15902  
 F-HEMBA1000456//26S PROTEASOME REGULATORY SUBUNIT MTS4 (19S REGULATORY CAP REGION OF  
 26S PROTEASE SUBUNIT 2)//0.077:118:28//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//P87048  
 F-HEMBA1000459//HEME-REGULATED EUKARYOTIC INITIATION FACTOR EIF-2-ALPHA KINASE (EC  
 40 2.7.1.-) (HRI)//4.8e-62:102:78//ORYCTOLAGUS CUNICULUS (RABBIT)//P33279  
 F-HEMBA1000460//LYSIS PROTEIN (E PROTEIN) (GPE)//1.0:24:50//BACTERIOPHAGE ALPHA-3//P31280  
 F-HEMBA1000464  
 F-HEMBA1000469//PILI PROTEIN//1.0:27:44//PSEUDOMONAS AERUGINOSA//P43502  
 F-HEMBA1000488//ZINC FINGER PROTEIN 151 (MIZ-1 PROTEIN)//1.1e-07:90:38//HOMO SAPIENS (HU-  
 45 MAN)//Q13105  
 F-HEMBA1000490//PLECTIN//0.74:254:25//RATTUS NORVEGICUS (RAT)//P30427  
 F-HEMBA1000491//RAS-RELATED PROTEIN M-RAS//3.0e-14:100:36//RATTUS NORVEGICUS (RAT)//  
 P97538  
 F-HEMBA1000501//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/1.5e-20:81:54//HOMO SAPIENS (HU-  
 50 MAN)//P39194  
 F-HEMBA1000504  
 F-HEMBA1000505//NEURON-SPECIFIC X11 PROTEIN (FRAGMENT)//0.00028:128:32//HOMO SAPIENS (HU-  
 MAN)//Q02410  
 F-HEMBA1000508//CHITIN SYNTHASE 3 (EC 2.4.1.16) (CHITIN-UDP ACETYL-GLUCOSAMINYL TRANS-  
 55 FERASE 3)//0.61:132:25//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P29465  
 F-HEMBA1000518  
 F-HEMBA1000519//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/1.8e-37:68:75//HOMO SAPIENS (HUMAN)//  
 P39189

F-HEMBA1000520//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/5.2e-09:75:49//HOMO SAPIENS (HUMAN)//  
 P39192  
 F-HEMBA1000523//TESTIS-SPECIFIC PROTEIN PBS13//1.5e-35:257:36//MUS MUSCULUS (MOUSE)//  
 Q01755  
 5 F-HEMBA1000531//HEAT SHOCK PROTEIN 70 B2//1.6e-14:72:44//ANOPHELES ALBIMANUS (NEW WORLD  
 MALARIA MOSQUITO)//P41827  
 F-HEMBA1000534//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/9.7e-32:96:78//HOMO SAPIENS (HUMAN)//  
 P39193  
 F-HEMBA1000540//LANTIBIOTIC LACTICIN 481 PRECURSOR (LACTOCOCCIN DR)//1.0:12:75//LACTOCOC-  
 10 CUS LACTIS (SUBSP. LACTIS) (STREPTOCOCCUS LACTIS)//P36499  
 F-HEMBA1000542//SPERM MITOCHONDRIAL CAPSULE SELENOPROTEIN (MCS)//0.0089:79:31//MUS  
 MUSCULUS (MOUSE)//P15265  
 F-HEMBA1000545//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//9.0e-83:256:66//HOMO SAPIENS (HU-  
 MAN)//P08547  
 15 F-HEMBA1000555//TRANSLATION INITIATION FACTOR IF-2//3.6e-06:252:22//SACCHAROMYCES CEREVI-  
 SIAE (BAKER'S YEAST)//P39730  
 F-HEMBA1000557  
 F-HEMBA1000561//ZINC FINGER PROTEIN 81 (FRAGMENT)//9.1 e-18:200:28//HOMO SAPIENS (HUMAN)//  
 P51508  
 20 F-HEMBA1000563  
 F-HEMBA1000568  
 F-HEMBA1000569//GPI-ANCHORED PROTEIN P137//1.0e-40:137:54//HOMO SAPIENS (HUMAN)//Q14444  
 F-HEMBA1000575  
 F-HEMBA1000588  
 25 F-HEMBA1000591//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/3.1e-17:41:92//HOMO SAPIENS (HU-  
 MAN)//P39194  
 F-HEMBA1000592//CENTROMERIC PROTEIN E (CENP-E PROTEIN)//0.18:128:23//HOMO SAPIENS (HU-  
 MAN)//Q02224  
 F-HEMBA1000594//HYPOTHETICAL 29.3 KD PROTEIN B0280.6 IN CHROMOSOME III//0.93:24:54//  
 30 CAENORHABDITIS ELEGANS//P41997  
 F-HEMBA1000604//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/0.00010:49:55//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-HEMBA1000608//HYPOTHETICAL PROTEIN KIAA0411 (FRAGMENT)//1.8e-55:179:61//HOMO SAPIENS  
 (HUMAN)//O43295  
 35 F-HEMBA1000622//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/1.1e-21:94:62//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-HEMBA1000636//SULFATED SURFACE GLYCOPROTEIN 185 (SSG 185)//0.34:73:36//VOLVOX CARTERI//  
 P21997  
 F-HEMBA1000637//BASIC PROLINE-RICH PEPTIDE IB-1//0.0057:76:38//HOMO SAPIENS (HUMAN)//P04281  
 40 F-HEMBA1000655  
 F-HEMBA1000657//ZINC FINGER PROTEIN GCS1//1.5e-07:66:37//SACCHAROMYCES CEREVISIAE (BAK-  
 ER'S YEAST)//P35197  
 F-HEMBA1000662//METALLOTHIONEIN-II (MT-II)//0.79:33:39//CRICETULUS GRISEUS (CHINESE HAM-  
 STER)//P02799  
 45 F-HEMBA1000673//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/3.1e-17:86:59//HOMO SAPIENS (HUMAN)//  
 P39193  
 F-HEMBA1000682//RETROVIRUS-RELATED POL POLYPROTEIN [CONTAINS: REVERSE TRANSCRIPTASE  
 (EC 2.7.7.49); ENDONUCLEASE]/3.0e-13:45:44//MUS MUSCULUS (MOUSE)//P11369  
 F-HEMBA1000686//HYPOTHETICAL 48.0 KD PROTEIN C1B3.08 IN CHROMOSOME I//4.5e-07:79:34//  
 50 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//O13873  
 F-HEMBA1000702  
 F-HEMBA1000705//PROTEIN Q300//0.80:25:44//MUS MUSCULUS (MOUSE)//Q02722  
 F-HEMBA1000719//MYOSIN IC HEAVY CHAIN//0.0026:115:44//ACANTHAMOEBA CASTELLANII (AMOEBIA)//  
 P10569  
 55 F-HEMBA1000722  
 F-HEMBA1000726//!!!! ALU SUBFAMILY SB2 WARNING ENTRY !!!!!/7.4e-32:83:77//HOMO SAPIENS (HU-  
 MAN)//P39191  
 F-HEMBA1000727//ZINC FINGER PROTEIN CTH2 (YTIS11 PROTEIN)//0.73:26:46//SACCHAROMYCES CER-

EVISIAE (BAKER'S YEAST).//P47977  
 F-HEMBA1000747  
 F-HEMBA1000749//HYPOTHETICAL PROTEIN HI1484.//1.0:42:35//HAEMOPHILUS INFLUENZAE.//P44211  
 F-HEMBA1000752//RETROVIRUS-RELATED ENV POLYPROTEIN.//1.0e-08:84:39//HOMO SAPIENS (HUMAN).//P10267  
 5 F-HEMBA1000769  
 F-HEMBA1000773//PAIRED BOX PROTEIN PAX-4.//1.0:107:33//HOMO SAPIENS (HUMAN).//O43316  
 F-HEMBA1000774//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/1.3e-23:92:63//HOMO SAPIENS (HUMAN).//P39188  
 10 F-HEMBA1000791  
 F-HEMBA1000817//PROLACTIN RECEPTOR PRECURSOR (PRL-R).//0.079:87:29//CERVUS ELAPHUS (RED DEER).//Q28235  
 F-HEMBA1000822  
 F-HEMBA1000827//HYPOTHETICAL 8.4 KD PROTEIN.//0.98:48:39//VACCINIA VIRUS (STRAIN COPENHAGEN).//P20546  
 15 F-HEMBA1000843//HYPOTHETICAL 7.3 KD PROTEIN D1044.5 IN CHROMOSOME III.//0.92:46:34//CAENORHABDITIS ELEGANS.//P41953  
 F-HEMBA1000851//HOMEODOMAIN PROTEIN GBX-2 (GASTRULATION AND BRAIN-SPECIFIC HOMEODOMAIN PROTEIN 2).//0.048:39:51//HOMO SAPIENS (HUMAN).//P52951  
 20 F-HEMBA1000852//ARYLSULFATASE D PRECURSOR (EC 3.1.6.-) (ASD).//4.0e-24:29:100//HOMO SAPIENS (HUMAN).//P51689  
 F-HEMBA1000867  
 F-HEMBA1000869//PROBABLE E5 PROTEIN.//0.99:70:27//HUMAN PAPILLOMAVIRUS TYPE 18.//P06792  
 F-HEMBA1000870//MYOTOXIN 3 PRECURSOR (CROTAMINE 3).//0.79:43:32//CROTALUS DURISSUS TERRIFICUS (SOUTH AMERICAN RATTLESNAKE).//P24333  
 25 F-HEMBA1000872//GAR2 PROTEIN.//0.89:70:31//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST).//P41891  
 F-HEMBA1000876//DEFENSIN.//0.89:34:38//ALLOMYRINA DICHOTOMA.//Q10745  
 F-HEMBA1000908//DNA-BINDING P52/P100 COMPLEX, 100 KD SUBUNIT (FRAGMENTS).//0.69:43:37//HOMO SAPIENS (HUMAN).//P30808  
 30 F-HEMBA1000910//MELANOMA-ASSOCIATED ANTIGEN B3 (MAGE-B3 ANTIGEN).//5.1e-08:44:38//HOMO SAPIENS (HUMAN).//O15480  
 F-HEMBA1000918//60S RIBOSOMAL PROTEIN L37-A (YL35) (FRAGMENT).//1.0:19:52//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST).//P22667  
 35 F-HEMBA1000919//69 KD PARAFLAGELLAR ROD PROTEIN (69 KD PFR PROTEIN) (PFR-A/PFR-B).//0.29:116:30//TRYPANOSOMA BRUCEI BRUCEI.//P22225  
 F-HEMBA1000934  
 F-HEMBA1000942//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/0.85:27:59//HOMO SAPIENS (HUMAN).//P39188  
 40 F-HEMBA1000943  
 F-HEMBA1000946//STO-2 PROTEIN.//0.82:82:30//CAENORHABDITIS ELEGANS.//Q19958  
 F-HEMBA1000960//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/0.0097:29:72//HOMO SAPIENS (HUMAN).//P39192  
 F-HEMBA1000968//METALLOTHIONEIN 20-III ISOFORMS A AND B (MT-20-III A AND MT-20-III B).//0.047:45:37//MYTILUS EDULIS (BLUE MUSSEL).//P80253  
 45 F-HEMBA1000971//HYPOTHETICAL BHLF1 PROTEIN.//0.038:172:31//EPSTEIN-BARR VIRUS (STRAIN B95-8) (HUMAN HERPESVIRUS 4).//P03181  
 F-HEMBA1000972  
 F-HEMBA1000974//HYPOTHETICAL PROTEIN MG441.//0.98:66:28//MYCOPLASMA GENITALIUM.//P47679  
 50 F-HEMBA1000975//COLLAGEN ALPHA 2(VIII) CHAIN (ENDOTHELIAL COLLAGEN) (FRAGMENT).//0.028:57:36//HOMO SAPIENS (HUMAN).//P25067  
 F-HEMBA1000985  
 F-HEMBA1000986//SUBMANDIBULAR GLAND SECRETORY GLX-RICH PROTEIN CB PRECURSOR (GRP-CB) (CONTIGUOUS REPEAT POLYPEPTIDE) (CRP).//0.13:91:34//RATTUS NORVEGICUS (RAT).//P08462  
 55 F-HEMBA1000991//HYPOTHETICAL 46.2 KD TRP-ASP REPEATS CONTAINING PROTEIN D2013.2 IN CHROMOSOME II.//5.6e-05:37:45//CAENORHABDITIS ELEGANS.//Q18964  
 F-HEMBA1001007//HYPOTHETICAL PROTEIN KIAA0179.//0.27:72:41//HOMO SAPIENS (HUMAN).//Q14684  
 F-HEMBA1001008//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/2.4e-25:61:70//HOMO SAPIENS (HUMAN).

MAN)//P39194  
 F-HEMBA1001009//CUTICLE COLLAGEN 34.//0.044:214:29//CAENORHABDITIS ELEGANS.//P34687  
 F-HEMBA1001017//SYNDECAN-3 PRECURSOR (N-SYNDECAN) (NEUROGLYCAN).//5.0e-85:191:84//RAT-  
 TUS NORVEGICUS (RAT).//P33671  
 5 F-HEMBA1001019  
 F-HEMBA1001020//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/6.7e-24:49:73//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-HEMBA1001022  
 F-HEMBA1001024//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG.//3.0e-11:61:59//HOMO SAPIENS (HU-  
 10 MAN)//P08547  
 F-HEMBA1001026//HYPOTHETICAL PROTEIN BB0073//0.94:63:34//BORRELIA BURGDORFERI (LYME DIS-  
 EASE SPIROCHETE).//O51100  
 F-HEMBA1001043//INVOLUCRIN.//0.0036:238:25//SAGUINUS OEDIPUS (COTTON-TOP TAMARIN).//P24712  
 F-HEMBA1001051//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/3.3e-32:95:75//HOMO SAPIENS (HUMAN)//  
 15 P39189  
 F-HEMBA1001052//CURROMYCIN RESISTANCE PROTEIN.//1.0:31:38//STREPTOMYCES HYGROSCOPI-  
 CUS.//P16961  
 F-HEMBA1001059//N-ACETYLGALACTOSAMINE-6-SULFATASE PRECURSOR (EC 3.1.6.4) (N- ACETYLGA-  
 LACTOSAMINE-6-SULFATE SULFATASE) (GALACTOSE-6-SULFATE SULFATASE) (GALNAC6S SULFATASE)  
 20 (CHONDROITINSULFATASE) (CHONDROITINASE).//3.2e-132:249:94//HOMO SAPIENS (HUMAN)//P34059  
 F-HEMBA1001060  
 F-HEMBA1001071//PROCOLLAGEN ALPHA 1(III) CHAIN PRECURSOR.//8.3e-23:51:96//HOMO SAPIENS (HU-  
 MAN)//P02461  
 F-HEMBA1001077//AUTOIMMUNE REGULATOR (APECED PROTEIN).//3.4e-06:37:56//HOMO SAPIENS (HU-  
 25 MAN)//O43918  
 F-HEMBA1001080//INFECTED CELL PROTEIN ICP34.5 (NEUROVIRULENCE FACTOR ICP34.5).//0.0012:70:  
 38//HERPES SIMPLEX VIRUS (TYPE 1 / STRAW MGH-10).//P37319  
 F-HEMBA1001085//SERINE/THREONINE PROTEIN PHOSPHATASE 5 (EC 3.1.3.16) (PPS) (PROTEIN PHOS-  
 PHATASE T) (PPT) (FRAGMENT).//0.00018:76:32//MUS MUSCULUS (MOUSE).//Q60676  
 30 F-HEMBA1001088//PINCH PROTEIN (PARTICULARLY INTERESTING NEW CYS-HIS PROTEIN).//3.5e-50:176:  
 57//HOMO SAPIENS (HUMAN).//P48059  
 F-HEMBA1001094  
 F-HEMBA1001099//LIGHT-HARVESTING PROTEIN B800/850/890, ALPHA-2 CHAIN (EHA-ALPHA-2) (ANTEN-  
 NA PIGMENT PROTEIN, ALPHA-2 CHAIN) (FRAGMENT).//1.0:15:60//ECTOTHIORHODOSPIRA HALOPHILA.//  
 35 P80101  
 F-HEMBA1001109//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/6.7e-37:102:82//HOMO SAPIENS (HU-  
 MAN).//P39189  
 F-HEMBA1001121//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG.//0.036:49:46//HOMO SAPIENS (HU-  
 MAN).//P08547  
 40 F-HEMBA1001122  
 F-HEMBA1001123  
 F-HEMBA1001133//HYPOTHETICAL 9.4 KD PROTEIN (ORF2).//0.86:29:41//FELINE IMMUNODEFICIENCY VI-  
 RUS (ISOLATE SAN DIEGO) (FIV), AND FELINE IMMUNODEFICIENCY VIRUS (ISOLATE PETALUMA) (FIV).//  
 P19033  
 45 F-HEMBA1001137//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//2.0e-22:103:52//HOMO SA-  
 PIENS (HUMAN).//P51523  
 F-HEMBA1001140//COLLAGEN ALPHA 4(IV) CHAIN PRECURSOR.//0.032:94:36//HOMO SAPIENS (HUMAN).//  
 P53420  
 F-HEMBA1001172  
 50 F-HEMBA1001174//ADP-RIBOSYLATION FACTOR-LIKE PROTEIN 5.//2.9e-78:179:79//RATTUS NORVEGICUS  
 (RAT).//P51646  
 F-HEMBA1001197//MAJOR PRION PROTEIN PRECURSOR (PRP) (PRP27-30) (PRP33-35C) (FRAGMENT).//  
 0.051:96:32//CERCOCEBUS ATERRIMUS, AND MACACA SYLVANUS (BARBARY APE).//Q95145  
 F-HEMBA1001208  
 55 F-HEMBA1001213  
 F-HEMBA1001226//PROTEASOME COMPONENT C8 (EC 3.4.99.46) (MACROPAIN SUBUNIT C8) (MULTICAT-  
 ALYTIC ENDOPEPTIDASE COMPLEX SUBUNIT C8).//1.5e-08:24:91//HOMO SAPIENS (HUMAN).//P25788  
 F-HEMBA1001235//FIBRONECTIN (FN) (FRAGMENT).//0.76:50:38//ORYCTOLAGUS CUNICULUS (RABBIT).//

Q28749  
 F-HEMBA1001247//SULFATED SURFACE GLYCOPROTEIN 185 (SSG 185)//0.00052:16:81//VOLVOX CART-  
 ERI//P21997  
 5 F-HEMBA1001257//2-ARYLPROPIONYL-COA EPIMERASE (EC 5.-.-.-)//1.6e-68:178:77//RATTUS NORVEGI-  
 CUS (RAT)//P70473  
 F-HEMBA1001265//MANNAN ENDO-1,4-BETA-MANNOSIDASE A PRECURSOR (EC 3.2.1.78) (BETA- MAN-  
 NANASE A) (1,4-BETA-D-MANNAN MANNANOHYDROLASE A)//0.67:23:60//PIROMYCES SP//P55296  
 F-HEMBA1001281//HYPOTHETICAL 8.9 KD PROTEIN YCF34 (ORF76)//0.83:48:35//PORPHYRA PURPU-  
 REA//P51229  
 10 F-HEMBA1001286//COMPLEMENT DECAY-ACCELERATING FACTOR PRECURSOR//1.3e-07:185:29//CAVIA  
 PORCELLUS (GUINEA PIG)//Q60401  
 F-HEMBA1001289//METABOTROPIC GLUTAMATE RECEPTOR 3 PRECURSOR//0.00018:159:30//RATTUS  
 NORVEGICUS (RAT)//P31422  
 F-HEMBA1001294  
 15 F-HEMBA1001299//!!!! ALU.SUBFAMILY SX WARNING ENTRY !!!!!/5.3e-07:27:77//HOMO SAPIENS (HUMAN)//  
 P39195  
 F-HEMBA1001302//45 KD CALCIUM-BINDING PROTEIN PRECURSOR (STROMAL CELL-DERIVED FACTOR  
 4) (SDF-4)//3.3e-61:150:76//MUS MUSCULUS (MOUSE)//Q61112  
 F-HEMBA1001303  
 20 F-HEMBA1001310//HYPOTHETICAL PROTEIN KIAA0161//2.7e-10:170:27//HOMO SAPIENS (HUMAN)//  
 P50876  
 F-HEMBA1001319  
 F-HEMBA1001323  
 F-HEMBA1001326//HYPOTHETICAL 55.1 KD PROTEIN IN FAB1-PES4 INTERGENIC REGION//1.1e-39:144:  
 25 38//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P43601  
 F-HEMBA1001327  
 F-HEMBA1001330  
 F-HEMBA1001351//VESICLE-ASSOCIATED MEMBRANE PROTEIN/SYNAPTOBREVIN BINDING PROTEIN  
 (VAP-33)//1.9e-37:155:46//APLYSIA CALIFORNICA (CALIFORNIA SEA HARE)//Q16943  
 30 F-HEMBA1001361//RUBREDOXIN (RD)//0.95:44:29//ALCALIGENES EUTROPHUS//P31912  
 F-HEMBA1001375//AEROLYSIN REGULATORY PROTEIN//0.013:45:33//AEROMONAS SOBRIA//P09165  
 F-HEMBA1001377//SPERM PROTAMINE P1//1.0:22:40//PLANIGALE MACULATA SINUALIS (COMMON PLAN-  
 IGALE)//O18746  
 F-HEMBA1001383//TAT PROTEIN (TRANSACTIVATING REGULATORY PROTEIN)//0.60:37:29//HUMAN IM-  
 35 MUNODEFICIENCY VIRUS TYPE 1 (Z2/CDC-Z34 ISOLATE) (HIV-1)//P12506  
 F-HEMBA1001387//GTP-BINDING PROTEIN TC10//6.6e-43:83:92//HOMO SAPIENS (HUMAN)//P17081  
 F-HEMBA1001388//HYPOTHETICAL PROTEIN KIAA0136 (FRAGMENT)//0.00088:46:45//HOMO SAPIENS  
 (HUMAN)//Q14149  
 F-HEMBA1001391  
 40 F-HEMBA1001398//CLOACIN (EC 3.1.-.-) (RIBONUCLEASE)//1.0:59:37//ESCHERICHIA COLI//P00645  
 F-HEMBA1001405//SMALL PROLINE RICH PROTEIN II (SPR-II) (CLONE 930)//0.25:41:34//HOMO SAPIENS  
 (HUMAN)//P22531  
 F-HEMBA1001407//SALIVARY PROLINE-RICH PROTEIN PRECURSOR (CLONES CP3, CP4 AND CP5) [CON-  
 TAINS: BASIC PEPTIDE IB-6; PEPTIDE P-H]//4.0e-09:129:40//HOMO SAPIENS (HUMAN)//P04280  
 45 F-HEMBA1001411//HYPOTHETICAL 34.9 KD PROTEIN IN CYSJ-ENO INTERGENIC REGION (O313)//0.95:88:  
 31//ESCHERICHIA COLI//P55140  
 F-HEMBA1001413//SOX-12 PROTEIN (FRAGMENT)//0.95:46:32//MUS MUSCULUS (MOUSE)//Q04890  
 F-HEMBA1001415//HISTONE H5//0.43:95:29//GALLUS GALLUS (CHICKEN)//P02259  
 F-HEMBA1001432//LANTIBIOTIC NISIN A PRECURSOR//0.77:46:32//LACTOCOCCUS LACTIS (SUBSP. LAC-  
 50 TIS) (STREPTOCOCCUS LACTIS)//P13068  
 F-HEMBA1001433//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//4.8e-09:132:31//NYCTICEBUS COU-  
 CANG (SLOW LORIS)//P08548  
 F-HEMBA1001435//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/1.2e-31:84:77//HOMO SAPIENS (HUMAN)//  
 P39189  
 55 F-HEMBA1001442  
 F-HEMBA1001446//ANTIFREEZE PEPTIDE 4 PRECURSOR//0.71:41:39//PSEUDOPLEURONECTA AMERI-  
 CANUS (WINTER FLOUNDER)//P02734  
 F-HEMBA1001450//PROLINE-RICH PROTEIN LAS17//0.13:127:27//SACCHAROMYCES CEREVISIAE (BAK-

ER'S YEAST)//Q12446  
 F-HEMBA1001454//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//0.57:38:47//HANSENULA WINGEI  
 (YEAST)//P48882  
 F-HEMBA1001455//CHEMOTAXIS PROTEIN CHEA (EC 2.7.3.-)//0.98:124:25//BORRELIA BURGDORFERI  
 5 (LYME DISEASE SPIROCHETE)//Q44737  
 F-HEMBA1001463//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/2.8e-32:62:67//HOMO SAPIENS (HU-  
 MAN)//P39194  
 F-HEMBA1001476//NUCLEOPORIN NUP159 (NUCLEAR PORE PROTEIN NUP159)//6.8e-09:252:36//SAC-  
 CHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40477  
 10 F-HEMBA1001478  
 F-HEMBA1001497//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/1.2e-33:105:72//HOMO SAPIENS (HU-  
 MAN)//P39194  
 F-HEMBA1001510//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/8.3e-37:54:81//HOMO SAPIENS (HUMAN)//  
 P39189  
 15 F-HEMBA1001515//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//2.0e-63:223:57//HOMO SAPIENS (HU-  
 MAN)//P08547  
 F-HEMBA1001517  
 F-HEMBA1001522//TROPOMYOSIN ALPHA CHAIN, SMOOTH MUSCLE//0.78:150:22//COTURNIX COTURNIX  
 JAPONICA (JAPANESE QUAIL)//P49437  
 20 F-HEMBA1001526//PERIPLASMIC [FE] HYDROGENASE 1 (EC 1.18.99.1)//1.6e-06:130:29//CLOSTRIDIUM  
 PASTEURIANUM//P29166  
 F-HEMBA1001533//PROBABLE E5A PROTEIN//0.73:35:37//HUMAN PAPILLOMAVIRUS TYPE 6A//Q84296  
 F-HEMBA1001557//HYPOTHETICAL 17.1 KD PROTEIN IN PUR5 3'REGION//1.5e-07:99:36//SACCHAROMY-  
 CES CEREVISIAE (BAKER'S YEAST)//P38898  
 25 F-HEMBA1001566//HYPOTHETICAL PROTEIN BB0692//0.91:27:44//BORRELIA BURGDORFERI (LYME DIS-  
 EASE SPIROCHETE)//O51635  
 F-HEMBA1001569//SYNAPTOBREVIN 2 (VESICLE ASSOCIATED MEMBRANE PROTEIN 2) (VAMP-2)//2.2e-  
 50:110:95//HOMO SAPIENS (HUMAN), AND BOS TAURUS (BOVINE)//P19065  
 F-HEMBA1001570//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/3.3e-33:107:72//HOMO SAPIENS (HU-  
 30 MAN)//P39195  
 F-HEMBA1001579//RING CANAL PROTEIN (KELCH PROTEIN)//1.2e-14:111:39//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY)//Q04652  
 F-HEMBA1001581  
 F-HEMBA1001585  
 35 F-HEMBA1001589//PROBABLE DNA-BINDING PROTEIN (AGNOPROTEIN)//0.98:51:33//HUMAN ADENOVIRUS  
 TYPE 2//P03263  
 F-HEMBA1001595//SEPTIN 2 HOMOLOG (FRAGMENT)//3.0e-124:274:85//HOMO SAPIENS (HUMAN)//  
 Q14141  
 F-HEMBA1001608//RENAL SODIUM/DICARBOXYLATE COTRANSPORTER (NA(+)/DICARBOXYLATE  
 40 COTRANSPORTER)//0.99:28:39//ORYCTOLAGUS CUNICULUS (RABBIT)//Q28615  
 F-HEMBA1001620//MYO-INOSITOL-1-PHOSPHATE SYNTHASE (EC 5.5.1.4) (IPS)//4.3e-45:222:46//  
 SPIRODELA POLYRRHIZA//P42803  
 F-HEMBA1001635//FIBRILLARIN//0.10:72:38//CAENORHABDITIS ELEGANS//Q22053  
 F-HEMBA1001636//PAIRED BOX PROTEIN PAX-8, ISOFORMS 8C/8D//0.75:38:47//HOMO SAPIENS (HU-  
 45 MAN)//Q09155  
 F-HEMBA1001640//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/14.7e-06:80:41//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-HEMBA1001647//TRANSCRIPTION INITIATION FACTOR TFIID 135 KD SUBUNIT (TAFII-135) (TAFII135)  
 (TAFII-130) (TAFII130)//0.075:165:32//HOMO SAPIENS (HUMAN)//O00268  
 50 F-HEMBA1001651//GOLGIN-95//6.8e-05:141:24//HOMO-SAPIENS (HUMAN)//Q08379  
 F-HEMBA1001655//PROLINE-RICH PROTEIN LAS17//0.19:97:30//SACCHAROMYCES CEREVISIAE (BAK-  
 ER'S YEAST)//Q12446  
 F-HEMBA1001658//TETRAHYDROMETHANOPTERIN S-METHYLTRANSFERASE 12 KD SUBUNIT (EC  
 2.1.1.86) (N5-METHYLTETRAHYDROMETHANOPTERIN-COENZYME M METHYLTRANSFERASE 12 KD SUB-  
 55 UNIT)//1.0:29:44//METHANOBACTERIUM THERMOAUTOTROPHICUM (STRAIN MARBURG / DSM 2133)//  
 Q50773  
 F-HEMBA1001661//CELLULOSE COMPLEMENTING PROTEIN//0.35:87:33//ACETOBACTER XYLINUM (AC-  
 ETOBACTER PASTEURIANUS)//P37697

F-HEMBA1001672//CIRCUMSPOROZOITE PROTEIN PRECURSOR (CS).//2.7e-10:216:35//PLASMODIUM  
 CYNOMOLGI (STRAIN BEROK).//P08672  
 F-HEMBA1001675//NODULIN 20 PRECURSOR (N-20).//0.98:36:44//GLYCINE MAX (SOYBEAN).//P08960  
 F-HEMBA1001678//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!//8.2e-13:62:64//HOMO SAPIENS (HUMAN).//  
 5 P39195  
 F-HEMBA1001681//HYPOTHETICAL 41.5 KD PROTEIN IN P6.5-VP48 INTERGENIC REGION (P40) (ORF3)  
 (ORF102).//1.0:51:39//ORGYIA PSEUDOTSUGATA MULTICAPSID POLYHEDROSIS VIRUS (OPMNPV).//  
 P24653  
 F-HEMBA1001702//ATP SYNTHASE A CHAIN (EC 3.6.1.34) (PROTEIN 6).//0.017:54:37//TRYPANOSOMA BRU-  
 10 CEI BRUCEI.//P24499  
 F-HEMBA1001709//HYPOTHETICAL 21.2 KD PROTEIN IN TOR2-MNN4 INTERGENIC REGION.//0.59:109:35//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P36042  
 F-HEMBA1001711  
 F-HEMBA1001712//HYPOTHETICAL 6.9 KD PROTEIN IN 100 KD PROTEIN REGION.//0.54:44:34//HUMAN AD-  
 15 ENOVIRUS TYPE 41.//P23690  
 F-HEMBA1001714//ATPASE INHIBITOR, MITOCHONDRIAL PRECURSOR.//1.2e-19:60:75//RATTUS NOR-  
 VEGICUS (RAT).//Q03344  
 F-HEMBA1001718//HYPOTHETICAL PROTEIN UL63.//1.0:54:37//HUMAN CYTOMEGALOVIRUS (STRAIN  
 AD169).//P16820  
 20 F-HEMBA1001723//HYPOTHETICAL 34.0 KD TRP-ASP REPEATS CONTAINING PROTEIN IN SIS1-MRPL2  
 INTERGENIC REGION.//5.1e-26:90:53//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P41318  
 F-HEMBA1001731//HYPOTHETICAL 16.6 KD PROTEIN.//0.71:49:32//AVIAN INFECTIOUS BURSAL DISEASE  
 VIRUS (STRAIN 52/70) (IBDV).//P25221  
 F-HEMBA1001734  
 25 F-HEMBA1001744//SCY1 PROTEIN.//2.1e-11:182:29//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//  
 P53009  
 F-HEMBA1001745//HYPOTHETICAL 11.6 KD PROTEIN IN NUT1-ARO2 INTERGENIC REGION PRECUR-  
 SOR.//1.0:36:38//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P53116  
 F-HEMBA1001746//PROTEIN-EXPORT MEMBRANE PROTEIN SECG HOMOLOG.//0.94:48:35//MYCOBACTE-  
 30 RIUM LEPRAE.//P38388  
 F-HEMBA1001761  
 F-HEMBA1001781//ZINC FINGER PROTEIN 19 (ZINC FINGER PROTEIN KOX12) (FRAGMENT).//0.028:47:40//  
 HOMO SAPIENS (HUMAN).//P17023  
 F-HEMBA1001784//HYPOTHETICAL 6.1 KD PROTEIN C03B1.10 IN CHROMOSOME X.//0.00068:32:46//  
 35 CAENORHABDITIS ELEGANS.//Q11116  
 F-HEMBA1001791//METALLOTHIONEIN (MT).//1.0:34:35//PLEURONECTES PLATESSA (PLAICE).//P07216  
 F-HEMBA1001800//ZINC FINGER PROTEIN MFG-1 (ZINC FINGER PROTEIN 58) (FRAGMENT).//1.5e-14:60:  
 48//MUS MUSCULUS (MOUSE).//P16372  
 F-HEMBA1001803  
 40 F-HEMBA1001804//GLYCINE-RICH CELL WALL STRUCTURAL PROTEIN 1 PRECURSOR.//9.3e-17:56:57//  
 ORYZA SATIVA (RICE).//P25074  
 F-HEMBA1001808//PARANEOPLASTIC ENCEPHALOMYELITIS ANTIGEN HUD HOMOLOG (HU-ANTIGEN  
 D).//0.75:97:31//RATTUS NORVEGICUS (RAT).//O09032  
 F-HEMBA1001809//IMMEDIATE-EARLY PROTEIN IE180.//4.5e-11:206:36//PSEUDORABIES VIRUS (STRAIN  
 45 INDIANA-FUNKHAUSER / BECKER) (PRV).//P11675  
 F-HEMBA1001815//60S RIBOSOMAL PROTEIN L37-B (YL27) (FRAGMENT).//0.34:30:30//SCHIZOSACCHA-  
 ROMYCES POMBE (FISSION YEAST).//P05733  
 F-HEMBA1001819//ZINC FINGER PROTEIN 135.//2.6e-102:262:66//HOMO SAPIENS (HUMAN).//P52742  
 F-HEMBA1001820  
 50 F-HEMBA1001822//EPIDERMAL GROWTH FACTOR RECEPTOR SUBSTRATE SUBSTRATE 15 (PROTEIN  
 EPS15).//1.2e-18:251:33//MUS MUSCULUS (MOUSE).//P42567  
 F-HEMBA1001824//KERATIN, ULTRA HIGH-SULFUR MATRIX PROTEIN (UHS KERATIN).//4.7e-11:124:37//  
 OVIS ARIES (SHEEP).//P26372  
 F-HEMBA1001835  
 55 F-HEMBA1001844//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!//4.3e-14:36:63//HOMO SAPIENS (HUMAN).//  
 P39195  
 F-HEMBA1001847//ZINC FINGER PROTEIN 29 (ZFP-29).//2.7e-36:135:51//MUS MUSCULUS (MOUSE).//  
 Q07230

F-HEMBA1001861  
 F-HEMBA1001864//HEAT-STABLE ENTEROTOXIN A3/A4 PRECURSOR (STA3/STA4) (ST-IB) (ST-H)//1.0:31:38//ESCHERICHIA COLI//P07965  
 F-HEMBA1001866//UDP-GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE PRECURSOR (EC 2.4.1.-) (DUGT)//9.7e-42:234:41//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q09332  
 5 F-HEMBA1001869//HYPOTHETICAL 94.9 KD PROTEIN C22E12.11C IN CHROMOSOME I//5.3e-13:65.47//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q10362  
 F-HEMBA1001888//HYPOTHETICAL 11.4 KD PROTEIN (ORF1)//0.85:62:37//STREPTOMYCES FRADIAE//P26800  
 10 F-HEMBA1001896//DIMETHYLGLYCINE DEHYDROGENASE PRECURSOR (EC 1.5.99.2) (ME2GLYDH)//9.8e-20:250:29//RATTUS NORVEGICUS (RAT)//Q63342  
 F-HEMBA1001910//EUKARYOTIC TRANSLATION INITIATION FACTOR 4E (EIF-4E) (EIF4E) (MRNA CAP-BINDING PROTEIN) (EIF-4F 25 KD SUBUNIT)//0.94:44:38//CAENORHABDITIS ELEGANS//O61955  
 F-HEMBA1001912//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!//8.7e-07:53:62//HOMO SAPIENS (HUMAN)//P39188  
 15 F-HEMBA1001913//GCN20 PROTEIN//1.8e-21:68:60//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P43535  
 F-HEMBA1001915//KLEE PROTEIN (KCRB3 PROTEIN)//0.94:64:21//ESCHERICHIA COLI//Q52280  
 F-HEMBA1001918  
 20 F-HEMBA1001921  
 F-HEMBA1001939//CHLOROPLAST 50S RIBOSOMAL PROTEIN L24//1.0:47:31//ODONTELLA SINENSIS//P49560  
 F-HEMBA1001940//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!//0.0017:31:77//HOMO SAPIENS (HUMAN)//P39188  
 25 F-HEMBA1001942//HIBERNATION-ASSOCIATED PLASMA PROTEIN HP-27 PRECURSOR (HIBERNATOR-SPECIFIC BLOOD COMPLEX, 27 KD SUBUNIT)//1.0:77:28//TAMIAS ASIATICUS (CHIPMUNK)//Q06577  
 F-HEMBA1001945//HYPOTHETICAL 4.6 KD PROTEIN IN GP47-AGT INTERGENIC REGION (ORF E)//1.0:35:37//BACTERIOPHAGE T4//P32269  
 F-HEMBA1001950//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//0.43:18:44//DROSOPHILA YAKUBA (FRUIT FLY)//P03933  
 30 F-HEMBA1001960//HOMEBOX PROTEIN HOX-C5 (HOX-3D) (CP11)//0.17:12:66//HOMO SAPIENS (HUMAN)//Q00444  
 F-HEMBA1001962//HYPOTHETICAL 9.0 KD PROTEIN IN ADH4 5'REGION//1.0:30:36//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53056  
 35 F-HEMBA1001964  
 F-HEMBA1001967//HYPOTHETICAL PROTEIN UL61//0.027:111:36//HUMAN CYTOMEGALOVIRUS (STRAIN AD169)//P16818  
 F-HEMBA1001979  
 40 F-HEMBA1001987//HYPOTHETICAL 11.2 KD PROTEIN (ORF117)//1.0:83:32//ORGYIA PSEUDOTSUGATA MULTICAPSID POLYHEDROSIS VIRUS (OPMNPV)//O10356  
 F-HEMBA1001991//NEUROTOXIN 1 (TOXIN ATX-I)//0.99:31:45//ANEMONIA SULCATA (SNAKE-LOCKS SEA ANEMONE)//P01533  
 F-HEMBA1002003//GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE, TESTIS-SPECIFIC (EC 1.2.1.12) (GAPDH)//5.5e-07:109:32//MUS MUSCULUS (MOUSE)//Q64467  
 45 F-HEMBA1002008  
 F-HEMBA1002018//EC PROTEIN HOMOLOG 2 (FRAGMENT)//0.83:66:33//ARABIDOPSIS THALIANA (MOUSE-EAR CRESS)//Q42377  
 F-HEMBA1002022//INSULIN//1.0:59:32//SQUALUS ACANTHIAS (SPINY DOGFISH)//P12704  
 F-HEMBA1002035//MONOCYTIC LEUKEMIA ZINC FINGER PROTEIN//8.3e-15:64:40//HOMO SAPIENS (HUMAN)//Q92794  
 50 F-HEMBA1002039//HYPOTHETICAL PROLINE-RICH PROTEIN KIAA0269//0.0070:70:40//HOMO SAPIENS (HUMAN)//Q92558  
 F-HEMBA1002049//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!//1.5e-07:37:75//HOMO SAPIENS (HUMAN)//P39188  
 55 F-HEMBA1002084  
 F-HEMBA1002092//SPT23 PROTEIN//0.12:208:26//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P35210  
 F-HEMBA1002100



# EP 1 074 617 A2

F-HEMBA1002102//ANKYRIN.//1.4e-12:106:35//MUS MUSCULUS (MOUSE)//Q02357  
 F-HEMBA1002113//EARLY NODULIN 20 PRECURSOR (N-20)//0.073:155:32//MEDICAGO TRUNCATULA (BARREL MEDIC)//P93329  
 5 F-HEMBA1002119//MALE SPECIFIC SPERM PROTEIN MST84DB//0.85:22:36//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q01643  
 F-HEMBA1002125//GAG POLYPROTEIN [CONTAINS: CORE PROTEINS P15, P12, P30]//0.35:111:33//FELINE SARCOMA VIRUS (STRAIN SNYDER-THEILEN)//P03338  
 F-HEMBA1002139//HYPOTHETICAL 12.4 KD PROTEIN IN SEC17-QCR1 INTERGENIC REGION//0.88:72:25//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38192  
 10 F-HEMBA1002144  
 F-HEMBA1002150//THROMBOMODULIN (FETOMODULIN) (TM) (FRAGMENT)//4.8e-10:65:46//BOS TAURUS (BOVINE)//P06579  
 F-HEMBA1002151//A-AGGLUTININ ATTACHMENT SUBUNIT PRECURSOR//0.24:146:28//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P32323  
 15 F-HEMBA1002153//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 4L (EC 1.6.5.3)//0.93:58:25//APIS MEL-LIFERA (HONEYBEE)//P34859  
 F-HEMBA1002160//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/5.1e-21:94:65//HOMO SAPIENS (HUMAN)//P39193  
 F-HEMBA1002161//MYOSIN HEAVY CHAIN, CARDIAC MUSCLE BETA ISOFORM//1.4e-51:180:56//SUS SCROFA (PIG)//P79293  
 20 F-HEMBA1002162//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/4.1e-40:102:75//HOMO SAPIENS (HUMAN)//P39193  
 F-HEMBA1002166//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/1.8e-13:133:45//HOMO SAPIENS (HUMAN)//P39188  
 25 F-HEMBA1002177//ZINC FINGER PROTEIN 142 (KIAA0236) (HA4654)//0.0014:153:26//HOMO SAPIENS (HUMAN)//P52746  
 F-HEMBA1002185  
 F-HEMBA1002189//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/0.86:46:45//HOMO SAPIENS (HUMAN)//P39194  
 30 F-HEMBA1002191//MALE SPECIFIC SPERM PROTEIN MST84DC//0.037:14:57//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q01644  
 F-HEMBA1002199  
 F-HEMBA1002204  
 F-HEMBA1002212//DUAL SPECIFICITY MITOGEN-ACTIVATED PROTEIN KINASE  
 35 KINASE DSOR1 (EC 2.7.1.-) (DOWNSTREAM OF RAF) (MAPKK)//3.2e-13:201:30//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q24324  
 F-HEMBA1002215//TESTIN 2 (TES2) [CONTAINS: TESTIN 1 (TES1)]//1.1e-62:147:84//MUS MUSCULUS (MOUSE)//P47226  
 F-HEMBA1002226//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/1.6e-26:168:44//HOMO SAPIENS (HUMAN)//P39188  
 40 F-HEMBA1002229//!!!! ALU SUBFAMILY SB1 WARNING ENTRY !!!!!/6.8e-18:68:72//HOMO SAPIENS (HUMAN)//P39190  
 F-HEMBA1002237//EAMZP30-47 PROTEIN (FRAGMENT)//0.96:21:61//EIMERIA ACERVULINA//P21959  
 F-HEMBA1002241//METALLOTHIONEIN (MT)//0.95:25:48//PARACENTROTUS LIVIDUS (COMMON SEA URCHIN)//P80367  
 45 F-HEMBA1002253//METALLOTHIONEIN-II (MT-II)//0.97:27:48//MESOCRICETUS AURATUS (GOLDEN HAMSTER)//P17808  
 F-HEMBA1002257  
 F-HEMBA1002265//MALE SPECIFIC SPERM PROTEIN MST84DC//0.95:24:50//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q01644  
 50 F-HEMBA1002267//NEURONAL PROTEIN 3.1 (P311 PROTEIN)//0.94:33:33//GALLUS GALLUS (CHICKEN)//Q90667  
 F-HEMBA1002270  
 F-HEMBA1002321//HYPOTHETICAL IMMUNITY REGION PROTEIN 14//0.99:22:40//BACTERIOPHAGE PHI-105//P10437  
 55 F-HEMBA1002328  
 F-HEMBA1002337  
 F-HEMBA1002341//P53-BINDING PROTEIN 53BP2 (FRAGMENT)//3.7e-55:109:96//MUS MUSCULUS

EP 1 074 617 A2

(MOUSE)//Q62415  
F-HEMBA1002348//PROBABLE E5 PROTEIN//0.43:30:50//HUMAN PAPILLOMAVIRUS TYPE 35//P27226  
F-HEMBA1002349  
5 F-HEMBA1002363//CHROMOSOME ASSEMBLY PROTEIN XCAP-E//5.7e-105:278:71//XENOPUS LAEVIS  
(AFRICAN CLAWED FROG)//P50533  
F-HEMBA1002381//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/3.3e-24:69:73//HOMO SAPIENS (HUMAN)//  
P39188  
F-HEMBA1002389//EARLY NODULIN 20 PRECURSOR (N-20)//0.16:110:31//MEDICAGO TRUNCATULA (BAR-  
REL MEDIC)//P93329  
10 F-HEMBA1002417//TIGHT JUNCTION PROTEIN ZO-1 (TIGHT JUNCTION PROTEIN 1)//2.6e-51:187:56//MUS  
MUSCULUS (MOUSE)//P39447  
F-HEMBA1002419//PROLINE-RICH PEPTIDE P-B//1.0:18:61//HOMO SAPIENS (HUMAN)//P02814  
F-HEMBA1002430//HYPOTHETICAL 12.3 KD PROTEIN IN GAP1-NAP1 INTERGENIC REGION//0.042:41:46//  
SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P36140  
15 F-HEMBA1002439//CHLOROPLAST 50S RIBOSOMAL PROTEIN L27 (FRAGMENT)//0.99:47:29//CALYPTRO-  
SPHAERA SPHAEROIDEA//P41548  
F-HEMBA1002458//OVARIAN GRANULOSA CELL 13.0 KD PROTEIN HGR74//4.1e-24:109:55//HOMO SAPI-  
ENS (HUMAN)//Q00994  
F-HEMBA1002460  
20 F-HEMBA1002462//SALIVARY PROLINE-RICH PROTEIN II-1 (FRAGMENT)//0.00025:80:30//HOMO SAPIENS  
(HUMAN)//P81489  
F-HEMBA1002469//PUTATIVE TUMOR SUPPRESSOR LUCA15//0.0012:110:33//HOMO SAPIENS (HUMAN)//  
P52756  
F-HEMBA1002475//PROLINE-RICH PROTEIN MP-3 (FRAGMENT)//0.37:106:33//MUS MUSCULUS  
25 (MOUSE)//P05143  
F-HEMBA1002477//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/3.3e-34:96:71//HOMO SAPIENS (HU-  
MAN)//P39194  
F-HEMBA1002486  
F-HEMBA1002495//LIGHT-MEDIATED DEVELOPMENT PROTEIN DET1//2.9e-31:110:39//ARABIDOPSIS  
30 THALIANA (MOUSE-EAR CRESS)//P48732  
F-HEMBA1002498//SFT2 PROTEIN//1.0:54:35//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//  
P38166  
F-HEMBA1002503//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/3.0e-06:49:63//HOMO SAPIENS (HUMAN)//  
P39188  
35 F-HEMBA1002508//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/1.6e-22:169:44//HOMO SAPIENS (HU-  
MAN)//P39195  
F-HEMBA1002513//HYPOTHETICAL 89.8 KD PROTEIN F41H10.6 IN CHROMOSOME IV//0.00017:79:35//  
CAENORHABDITIS ELEGANS//Q20296  
F-HEMBA1002515  
40 F-HEMBA1002538//ATP SYNTHASE E CHAIN, MITOCHONDRIAL (EC 3.6.1.34)//1.0:53:37//SACCHAROMY-  
CES CEREVISIAE (BAKER'S YEAST)//P81449  
F-HEMBA1002542//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/5.7e-32:96:75//HOMO SAPIENS (HUMAN)//  
P39188  
F-HEMBA1002547//AGRIN PRECURSOR//2.5e-100:218:80//RATTUS NORVEGICUS (RAT)//P25304  
45 F-HEMBA1002552//HEP27 PROTEIN (PROTEIN D)//9.5e-12:29:82//HOMO SAPIENS (HUMAN)//Q13268  
F-HEMBA1002555//COLLAGEN ALPHA 1(III) CHAIN//2.4e-15:207:36//BOS TAURUS (BOVINE)//P04258  
F-HEMBA1002558//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/1.0:34:50//HOMO SAPIENS (HUMAN)//  
P39193  
F-HEMBA1002561//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//1.5e-05:49:46//NYCTICEBUS COU-  
50 CANG (SLOW LORIS)//P08548  
F-HEMBA1002569//SINGLE-STRANDED DNA-BINDING PROTEIN P12//0.97:60:33//BACTERIOPHAGE  
PRD1//P17637  
F-HEMBA1002583  
F-HEMBA1002590//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/5.6e-15:54:55//HOMO SAPIENS (HUMAN)//  
55 P39188  
F-HEMBA1002592//HISTIDINE-RICH PROTEIN//0.99:39:28//PLASMODIUM FALCIPARUM (ISOLATE FCM17 /  
SENEGAL)//P14586  
F-HEMBA1002609//SSM4 PROTEIN//1.9e-12:135:29//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//

P40318  
 F-HEMBA1002621//CYTOCHROME B6-F COMPLEX 3.5 KD SUBUNIT (CYTOCHROME B6-F COMPLEX SUB-UNIT 6)//1.0:20:55//ZEA MAYS (MAIZE)//P19445  
 F-HEMBA1002624//EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN)//  
 5 0.0035:124:33//NICOTIANA TABACUM (COMMON TOBACCO)//P13983  
 F-HEMBA1002628  
 F-HEMBA1002629//IMMEDIATE-EARLY PROTEIN IE180//0.84:80:36//PSEUDORABIES VIRUS (STRAIN KAP-  
 LAN) (PRV)//P33479  
 F-HEMBA1002645//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/1.8e-16:57:68//HOMO SAPIENS (HUMAN)//  
 10 P39193  
 F-HEMBA1002651  
 F-HEMBA1002659//CUTICLE COLLAGEN 2//0.0077:77:38//CAENORHABDITIS ELEGANS//P17656  
 F-HEMBA1002661//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//2.3e-89:116:72//HOMO SAPIENS (HU-  
 MAN)//P08547  
 15 F-HEMBA1002666//BETA CRYSTALLIN A4//0.18:58:44//GALLUS GALLUS (CHICKEN)//P49152  
 F-HEMBA1002678  
 F-HEMBA1002679//GLUTAMIC ACID-RICH PROTEIN PRECURSOR//5.7e-06:219:27//PLASMODIUM FALCI-  
 PARUM (ISOLATE FC27 / PAPUA NEW GUINEA)//P13816  
 F-HEMBA1002688//SPIDROIN 2 (DRAGLINE SILK FIBROIN 2) (FRAGMENT)//1.1e-07:198:32//NEPHILA CLA-  
 20 VIPES (ORB SPIDER)//P46804  
 F-HEMBA1002696//COLLAGEN ALPHA 1(VII) CHAIN PRECURSOR (LONG-CHAIN COLLAGEN) (LC COLLA-  
 GEN)//0.16:158:33//HOMO SAPIENS (HUMAN)//Q02388  
 F-HEMBA1002703//HYPOTHETICAL BHLF1 PROTEIN//0.78:147:29//EPSTEIN-BARR VIRUS (STRAIN B95-8)  
 (HUMAN HERPESVIRUS 4)//P03181  
 25 F-HEMBA1002712//11.2 KD PROTEIN (ORF 103)//0.029:75:34//BACTERIOPHAGE PF1//P25133  
 F-HEMBA1002716//50S RIBOSOMAL PROTEIN L28//1.0:44:27//BACILLUS SUBTILIS//P37807  
 F-HEMBA1002728//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/5.4e-18:56:75//HOMO SAPIENS (HUMAN)//  
 P39195  
 F-HEMBA1002730//HYPOTHETICAL PROTEIN MJ0316//0.097:84:35//METHANOCOCCUS JANNASCHII//  
 30 Q57764  
 F-HEMBA1002742//APOLIPOPROTEIN C-III PRECURSOR (APO-CIII)//0.97:26:50//SUS SCROFA (PIG)//  
 P27917  
 F-HEMBA1002746//CALPHOTIN//0.35:65:35//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q02910  
 F-HEMBA1002748//PLATELET GLYCOPROTEIN IB BETA CHAIN PRECURSOR (GP-IB BETA) (GPIIB)//1.0:  
 35 74:32//MUS MUSCULUS (MOUSE)//P56400  
 F-HEMBA1002750//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/7.0e-15:49:75//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-HEMBA1002768//HYPOTHETICAL 72.2 KD PROTEIN C12C2.05C IN CHROMOSOME II//0.00036:197:26//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09746  
 40 F-HEMBA1002770//UTEROGLOBIN PRECURSOR (BLASTOKININ)//023:88:27//ORYCTOLAGUS CUNICU-  
 LUS (RABBIT)//P02779  
 F-HEMBA1002777//HOMEBOX PROTEIN HOX-A4 (HOX-1.4) (MH-3)//0.00018:67:43//MUS MUSCULUS  
 (MOUSE)//P06798  
 F-HEMBA1002779//HYPOTHETICAL 17.6 KD PROTEIN IN NPR1-RPS3 INTERGENIC REGION//0.70:30:53//  
 45 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53880  
 F-HEMBA1002780//OLFACTORY RECEPTOR 3 (K10) (FRAGMENT)//1.0:31:45//MUS MUSCULUS (MOUSE)//  
 Q60879  
 F-HEMBA1002794//HMG-Y RELATED PROTEIN B (SB16B PROTEIN) (FRAGMENT)//0.0044:66:37//GLYCINE  
 MAX (SOYBEAN)//Q10370  
 50 F-HEMBA1002801  
 F-HEMBA1002810//HYPOTHETICAL 25.9 KD PROTEIN AH6.3 IN CHROMOSOME II//0.0033:116:31//  
 CAENORHABDITIS ELEGANS//Q09202  
 F-HEMBA1002816//HYPOTHETICAL 47.1 KD PROTEIN C9G1.13C IN CHROMOSOME I//1.0e-17:68:48//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//O14308  
 55 F-HEMBA1002818//FIBULIN-2 PRECURSOR//2.1e-27:92:44//MUS MUSCULUS (MOUSE)//P37889  
 F-HEMBA1002826//DNA-BINDING PROTEIN 65 (PROTEIN GP65)//0.28:46:34//BACTERIOPHAGE T4//  
 P16012  
 F-HEMBA1002833

F-HEMBA1002850//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//1.0:27:37//METRIDIDIUM SENILE  
 (BROWN SEA ANEMONE) (FRILLED SEA ANEMONE)//O47493  
 F-HEMBA1002863//PHOTOSYSTEM I REACTION CENTRE SUBUNIT IV (PHOTOSYSTEM I 8.1 KD PROTEIN)  
 (P30 PROTEIN) (PSI-E)//0.84:37:43//SYNECHOCYSTIS SP. (STRAIN PCC 6803)//P12975  
 5 F-HEMBA1002876//OCTAPEPTIDE-REPEAT PROTEIN T2//0.74:58:34//MUS MUSCULUS (MOUSE)//Q06666  
 F-HEMBA1002886  
 F-HEMBA1002896//HOMEODOMAIN PROTEIN HOX-B3 (HOX-2G) (HOX-2.7)//4.7e-05:84:35//HOMO SAPIENS  
 (HUMAN)//P14651  
 F-HEMBA1002921//TAT PROTEIN (TRANSACTIVATING REGULATORY PROTEIN)//0.21:42:42//HUMAN IMU-  
 10 NODEFICIENCY VIRUS TYPE 1 (RF/HAT ISOLATE) (HIV-1)//P05908  
 F-HEMBA1002924//EC PROTEIN HOMOLOG 2 (FRAGMENT)//0.85:75:22//ARABIDOPSIS THALIANA  
 (MOUSE-EAR CRESS)//Q42377  
 F-HEMBA1002934//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/3.4e-31:92:72//HOMO SAPIENS (HUMAN)//  
 P39188  
 15 F-HEMBA1002935//GASTRULA ZINC FINGER PROTEIN XLCGF58.1 (FRAGMENT)//7.7e-06:187:29//XENO-  
 PUS LAEVIS (AFRICAN CLAWED FROG)//P18730  
 F-HEMBA1002937//SUPPRESSOR PROTEIN SRP40//0.00031:150:24//SACCHAROMYCES CEREVISIAE  
 (BAKER'S YEAST)//P32583  
 F-HEMBA1002939//ANKYRIN R (ANKYRINS 2.1 AND 2.2) (ERYTHROCYTE ANKYRIN)//5.2e-25:225:33//HO-  
 20 MO SAPIENS (HUMAN)//P16157  
 F-HEMBA1002944  
 F-HEMBA1002951//TRICHOHYALIN//0.0011:220:24//HOMO SAPIENS (HUMAN)//Q07283  
 F-HEMBA1002954//PROBABLE E8 PROTEIN//0.98:49:32//BOVINE PAPILLOMAVIRUS TYPE 4//P08352  
 F-HEMBA1002968//ACCESSORY GLAND PEPTIDE PRECURSOR (PARAGONIAL PEPTIDE B)//0.93:41:34//  
 25 DROSOPHILA SECHELLIA (FRUIT FLY)//O18417  
 F-HEMBA1002970//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/0.00010:35:62//HOMO SAPIENS (HU-  
 MAN)//P39193  
 F-HEMBA1002971//INSULIN//1.0:31:35//HYDROLAGUS COLLIEI (SPOTTED RATFISH) (PACIFIC RATFISH),  
 AND CHIMAERA MONSTROSA (RABBIT FISH)//P09536 F-HEMBA1002973//CAMP-DEPENDENT 3',5'-CY-  
 30 CLIC PHOSPHODIESTERASE 4B (EC 3.1.4.17) (DPDE4)//3.0e-29:63:100//RATTUS NORVEGICUS (RAT)//  
 P14646  
 F-HEMBA1002997//HYPOTHETICAL 106.5 KD PROTEIN IN CTT1-PRP31 INTERGENIC REGION//1.0e-08:  
 211:28//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53253  
 F-HEMBA1002999//SUPPRESSOR PROTEIN SRP40//0.026:175:23//SACCHAROMYCES CEREVISIAE (BAK-  
 35 ER'S YEAST)//P32583  
 F-HEMBA1003021//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/1.3e-36:102:70//HOMO SAPIENS (HU-  
 MAN)//P39194  
 F-HEMBA1003033//HYPOTHETICAL 23.1 KD PROTEIN CY277.20C//0.029:75:29//MYCOBACTERIUM TU-  
 BERCULOSIS//P71779  
 40 F-HEMBA1003034//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/6.3e-23:144:46//HOMO SAPIENS (HU-  
 MAN)//P39192  
 F-HEMBA1003035//HYPOTHETICAL 13.3 KD PROTEIN IN AROD-COMER INTERGENIC REGION//0.99:55:  
 30//BACILLUS SUBTILIS//P54457  
 F-HEMBA1003037//DNA-BINDING PROTEIN INHIBITOR ID-4//0.17:42:40//HOMO SAPIENS (HUMAN)//  
 45 P47928  
 F-HEMBA1003041//DNA-BINDING P52/P100 COMPLEX, 100 KD SUBUNIT (FRAGMENTS)//0.69:28:46//HO-  
 MO SAPIENS (HUMAN)//P30808  
 F-HEMBA1003046//MITOCHONDRIAL PROCESSING PROTEASE BETA SUBUNIT PRECURSOR (EC  
 3.4.24.64) (BETA-MPP) (P-52)//7.9e-124:253:96//HOMO SAPIENS (HUMAN)//O75439  
 50 F-HEMBA1003064//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 5 (EC 1.6.5.3)//0.25:263:22//TRYPANOS-  
 SOMA BRUCEI BRUCEI//P04540  
 F-HEMBA1003067//HYPOTHETICAL 57.5 KD PROTEIN IN VMA7-RPS25A INTERGENIC REGION//4.1e-05:  
 189:30//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53214  
 F-HEMBA1003071//CUTICLE COLLAGEN 40//6.0e-07:126:38//CAENORHABDITIS ELEGANS//P34804  
 55 F-HEMBA1003077//FIBROMODULIN PRECURSOR (FM) (COLLAGEN-BINDING 59 KD PROTEIN)//2.4e-12:  
 139:34//HOMO SAPIENS (HUMAN)//Q06828  
 F-HEMBA1003078//RETROVIRUS-RELATED POL POLYPROTEIN [CONTAINS: REVERSE TRANSCRIPTASE  
 (EC 2.7.7.49); ENDONUCLEASE]//7.2e-05:60:40//MUS MUSCULUS (MOUSE)//P11369

F-HEMBA1003079//PROTEIN Q300.//0.0012:16:87//MUS MUSCULUS (MOUSE).//Q02722  
 F-HEMBA1003083/////ALU SUBFAMILY SB WARNING ENTRY !!!!!/3.3e-32:95:75//HOMO SAPIENS (HUMAN).//  
 P39189  
 F-HEMBA1003086  
 5 F-HEMBA1003096//PROTAMINE IA (IRIDINE IA).//0.36:20:40//SALMO IRIDEUS (RAINBOW TROUT).//P02328  
 F-HEMBA1003098/////ALU SUBFAMILY J WARNING ENTRY !!!!!/4.4e-09:43:72//HOMO SAPIENS (HUMAN).//  
 P39188  
 F-HEMBA1003117//PUTATIVE CUTICLE COLLAGEN C09G5.5//1.0:88:38//CAENORHABDITIS ELEGANS.//  
 Q09456  
 10 F-HEMBA1003129//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 4L (EC 1.6.5.3).//0.61:63:25//APIS MEL-  
 LIFERA (HONEYBEE).//P34859  
 F-HEMBA1003133//COLLAGEN ALPHA 2(VIII) CHAIN (ENDOTHELIAL COLLAGEN) (FRAGMENT).//0.48:79:  
 37//HOMO SAPIENS (HUMAN).//P25067  
 F-HEMBA1003136//MANNOSE-1-PHOSPHATE GUANYLTRANSFERASE (EC 2.7.7.13) (ATP-MANNOSE-1-  
 15 PHOSPHATE GUANYLYLTRANSFERASE) (NDP-HEXOSE PYROPHOSPHORYLASE).//3.6e-25:190:34//SAC-  
 CHAROMYCES CEREVISIAE (BAKER'S YEAST).//P41940  
 F-HEMBA1003142  
 F-HEMBA1003148//HYPOTHETICAL 56.4 KD PROTEIN IN RPL30-CWH41 INTERGENIC REGION PRECUR-  
 SOR.//0.068:171:23//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P53189  
 20 F-HEMBA1003166/////ALU SUBFAMILY SC WARNING ENTRY !!!!!/1.8e-13:54:66//HOMO SAPIENS (HUMAN).//  
 P39192  
 F-HEMBA1003175//HYPOTHETICAL 57.5 KD PROTEIN IN VMA7-RPS25A INTERGENIC REGION.//0.015:147:  
 31//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P53214  
 F-HEMBA1003179//PROBABLE TRNA (5-METHYLAMINOMETHYL-2-THIOURIDYLATE)-METHYLTRANS-  
 25 FERASE (EC 2.1.1.61).//2.6e-51:164:47//BACILLUS SUBTILIS.//O35020  
 F-HEMBA1003197  
 F-HEMBA1003199//HOMEBOX PROTEIN HOX-A4 (HOX-1D) (HOX-1.4).//0.00049:83:38//HOMO SAPIENS  
 (HUMAN).//Q00056  
 F-HEMBA1003202//SPERM PROTAMINE P1.//0.98:53:28//PLANIGALE GILESI (FLAT-SKULLED MARSUPIAL  
 30 MOUSE).//O18747  
 F-HEMBA1003204/////ALU SUBFAMILY SQ WARNING ENTRY !!!!!/5.2e-22:42:80//HOMO SAPIENS (HU-  
 MAN).//P39194  
 F-HEMBA1003212/////ALU SUBFAMILY SP WARNING ENTRY !!!!!/1.6e-18:74:71//HOMO SAPIENS (HUMAN).//  
 P39193  
 35 F-HEMBA1003220/////ALU SUBFAMILY SQ WARNING ENTRY !!!!!/3.3e-18:56:78//HOMO SAPIENS (HU-  
 MAN).//P39194  
 F-HEMBA1003222//HYPOTHETICAL 37.5 KD PROTEIN IN GNTR-HTPG INTERGENIC REGION.//0.0018:159:  
 27//BACILLUS SUBTILIS.//P46327  
 F-HEMBA1003229//DIHYDRODIPICOLINATE SYNTHASE 1 PRECURSOR (EC 4.2.1.52) (DHDP).//1.0:85:28//  
 40 TRITICUM AESTIVUM (WHEAT).//P24846  
 F-HEMBA1003235//TROPOMYOSIN.//8.3e-07:109:33//SCHIZOSACCHAROMYCES POMBE (FISSION  
 YEAST).//Q02088  
 F-HEMBA1003250  
 F-HEMBA1003257//HYPOTHETICAL PROLINE-RICH PROTEIN (FRAGMENT).//1.5e-07:27:74//OWENIA FUSI-  
 45 FORMIS.//P21260  
 F-HEMBA1003273  
 F-HEMBA1003276  
 F-HEMBA1003278  
 F-HEMBA1003281//HOMEBOX PROTEIN HOX-A4 (CHOX-1.4).//0.0053:116:36//GALLUS GALLUS (CHICK-  
 50 EN).//P17277  
 F-HEMBA1003286//DNA-DIRECTED RNA POLYMERASE SUBUNIT N (EC 2.7.7.6).//0.96:37:35//SULFOLOBUS  
 ACIDOCALDARIUS.//P39472  
 F-HEMBA1003291//5'-AMP-ACTIVATED PROTEIN KINASE, CATALYTIC ALPHA-2 CHAIN (EC 2.7.1.-) (AMPK  
 ALPHA-2 CHAIN) (FRAGMENT).//3.3e-15:68:39//SUS SCROFA (PIG).//Q28948  
 55 F-HEMBA1003296//PULMONARY SURFACTANT-ASSOCIATED PROTEIN B (SP-B) (6 KD PROTEIN) (PULMO-  
 NARY SURFACTANT-ASSOCIATED PROTEOLIPID SPL(PHE)).//0.98:49:28//BOS TAURUS (BOVINE).//P15781  
 F-HEMBA1003304//MITOCHONDRIAL RIBOSOMAL PROTEIN S19.//0.99:36:30//PROTOTHECA WICKER-  
 HAMII.//P46750

F-HEMBA1003309//HYPOTHETICAL 7.9 KD PROTEIN//0.69:54:37//VACCINIA VIRUS (STRAIN WR), AND  
 VACCINIA VIRUS (STRAIN COPENHAGEN)//P04306  
 F-HEMBA1003314//MIXED LINEAGE KINASE 2 (EC 2.7.1.-) (FRAGMENT)//2.3e-06:143:22//HOMO SAPIENS  
 (HUMAN)//Q02779  
 5 F-HEMBA1003322//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/1.5e-30:53:77//HOMO SAPIENS (HU-  
 MAN)//P39194  
 F-HEMBA1003327  
 F-HEMBA1003328//TAT PROTEIN (TRANSACTIVATING REGULATORY PROTEIN) (FRAGMENT)//0.53:21:42//  
 HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (BH5 ISOLATE) (HIV-1)//P04612  
 10 F-HEMBA1003330//LONG NEUROTOXIN 3 (TOXIN VN2)//1.0:26:34//DENDROASPIS POLYLEPIS POLYLEPIS  
 (BLACK MAMBA)//P25667  
 F-HEMBA1003348//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/6.5e-09:56:66//HOMO SAPIENS (HU-  
 MAN)//P39194  
 F-HEMBA1003369//ANTER-SPECIFIC PROLINE-RICH PROTEIN APG PRECURSOR//0.0042:97:36//ARABI-  
 DOPSIS THALIANA (MOUSE-EAR CRESS)//P40602  
 15 F-HEMBA1003370//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/7.0e-18:99:53//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-HEMBA1003373  
 F-HEMBA1003376//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/4.7e-16:60:75//HOMO SAPIENS (HUMAN)//  
 20 P39189  
 F-HEMBA1003380//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/2.8e-10:50:68//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-HEMBA1003384  
 F-HEMBA1003395//PROBABLE E5 PROTEIN//0.62:64:29//HUMAN PAPILLOMAVIRUS TYPE 16//P06927  
 25 F-HEMBA1003402//HYPOTHETICAL 12.0 KD PROTEIN IN TUB1-CPR3 INTERGENIC REGION PRECURSOR//  
 0.89:74:33//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//Q04521  
 F-HEMBA1003403//ACIDIC PROLINE-RICH PROTEIN PRECURSOR (CLONE PRP25) (FRAGMENT)//0.0010:  
 69:33//RATTUS NORVEGICUS (RAT)//P10164  
 F-HEMBA1003408//WEB1 PROTEIN (PROTEIN TRANSPORT PROTEIN SEC31)//4.8e-06:93:25//SACCHARO-  
 MYCES CEREVISIAE (BAKER'S YEAST)//P38968  
 30 F-HEMBA1003417//PROCOLLAGEN ALPHA 1(II) CHAIN PRECURSOR [CONTAINS: CHONDROCALCIN]//  
 0.0021:140:34//MUS MUSCULUS (MOUSE)//P28481  
 F-HEMBA1003418//SPLICING FACTOR, ARGININE/SERINE-RICH 4 (PRE-MRNA SPLICING FACTOR  
 SRP75)//1.7e-14:188:33//HOMO SAPIENS (HUMAN)//Q08170  
 35 F-HEMBA1003433//DNA REPAIR PROTEIN XRS2//1.0:88:35//SACCHAROMYCES CEREVISIAE (BAKER'S  
 YEAST)//P33301  
 F-HEMBA1003447//ACIDIC PROLINE-RICH PROTEIN PRECURSOR (CLONE PRP25) (FRAGMENT)//0.0061:  
 69:33//RATTUS NORVEGICUS (RAT)//P10164  
 F-HEMBA1003461//SPIDROIN 1 (DRAGLINE SILK FIBROIN 1) (FRAGMENT)//2.3e-09:239:33//NEPHILA CLA-  
 VIPES (ORB SPIDER)//P19837  
 40 F-HEMBA1003463//METALLOTHIONEIN-A (MTA) (FRAGMENT)//1.0:40:35//SPHAERECHINUS GRANULARIS  
 (PURPLE SEA URCHIN)//Q26497  
 F-HEMBA1003480//FUSARIC ACID RESISTANCE PROTEIN FUSB//0.0043:96:32//BURKHOLDERIA CEPACIA  
 (PSEUDOMONAS CEPACIA)//P24127  
 45 F-HEMBA1003528//36.4 KD PROLINE-RICH PROTEIN//6.4e-15:167:33//LYCOPERSICON ESCULENTUM  
 (TOMATO)//Q00451  
 F-HEMBA1003531//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/1.2e-18:56:78//HOMO SAPIENS (HUMAN)//  
 P39189  
 F-HEMBA1003538//COMPLEMENT C1R COMPONENT PRECURSOR (EC 3.4.21.41)//2.5e-28:136:47//HOMO  
 50 SAPIENS (HUMAN)//P00736  
 F-HEMBA1003545//INSULIN GENE ENHANCER PROTEIN ISL-2 (ISLET-2)//9.2e-105:217:85//RATTUS NOR-  
 VEGICUS (RAT)//P50480  
 F-HEMBA1003548  
 F-HEMBA1003555//HYPOTHETICAL 31.9 KD PROTEIN IN BET1-PAN1 INTERGENIC REGION//8.7e-57:180:  
 55 55//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40558  
 F-HEMBA1003556//HYPOTHETICAL 19.2 KD PROTEIN IN COX-REP INTERGENIC REGION (ORF5) (ORF21)//  
 0.53:97:25//BACTERIOPHAGE HP1//P51706  
 F-HEMBA1003560//GUANINE NUCLEOTIDE-BINDING PROTEIN G(I)/G(S)/G(O) GAMMA-2 SUBUNIT (G GAM-

MA-I)//1.8e-32:71:100//BOS TAURUS (BOVINE)//P16874  
 F-HEMBA1003568//ZINC-FINGER PROTEIN RFP (RET FINGER PROTEIN)//4.1e-19:126:31//HOMO SAPIENS (HUMAN)//P14373  
 5 F-HEMBA1003569//METASTASIS-ASSOCIATED PROTEIN MTA1//3.9e-83:143:74//HOMO SAPIENS (HUMAN)//Q13330  
 F-HEMBA1003571//HYPOTHETICAL 8.7 KD PROTEIN (READING FRAME D)//1.0:64:25//STAPHYLOCOCCUS AUREUS//P03860  
 F-HEMBA1003579//CYTOTOXIN 1 (CYTOTOXIN V-II-1) (TOXIN V(II)1)//1.0:41:29//NAJA MELANOLEUCA (FOREST COBRA) (BLACK-LIPPED COBRA)//P01448  
 10 F-HEMBA1003581//TALIN//3.7e-36:52:98//MUS MUSCULUS (MOUSE)//P26039  
 F-HEMBA1003591//CHLOROPLAST 28 KD RIBONUCLEOPROTEIN PRECURSOR (28RNP)//1.6e-05:91:31//NICOTIANA SYLVESTRIS (WOOD TOBACCO)//P19682  
 F-HEMBA1003595//HYPOTHETICAL 12.0 KD PROTEIN IN DST1-HEM2 INTERGENIC REGION//1.0:55:32//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53182  
 15 F-HEMBA1003597  
 F-HEMBA1003598//T-CELL RECEPTOR BETA CHAIN PRECURSOR (ANA 11)//4.9e-10:85:41//ORYCTOLAGUS CUNICULUS (RABBIT)//P06333  
 F-HEMBA1003615//PUTATIVE MINOR COAT PROTEIN (ORF43)//0.086:10:70//BACTERIOPHAGE PHI-LF//Q07482  
 20 F-HEMBA1003617//HYPOTHETICAL 36.8 KD PROTEIN C26A3.16 IN CHROMOSOME I//4.4e-13:58:48//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q10169  
 F-HEMBA1003621//LONG NEUROTOXIN 1 (NEUROTOXIN A)//0.096:40:37//OPHIOPHAGUS HANNAH (KING COBRA) (NAJA HANNAH)//P01387  
 F-HEMBA1003622  
 25 F-HEMBA1003630  
 F-HEMBA1003637//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/2.4e-13:47:74//HOMO SAPIENS (HUMAN)//P39188  
 F-HEMBA1003640//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/0.87:25:64//HOMO SAPIENS (HUMAN)//P39193  
 30 F-HEMBA1003645//HYPOTHETICAL 40.4 KD TRP-ASP REPEATS CONTAINING PROTEIN C14B1.4 IN CHROMOSOME III//1.8e-10:157:26//CAENORHABDITIS ELEGANS//Q17963  
 F-HEMBA1003646//SERINE-ARGININE PROTEIN 55 (SRP55) (ENHANCER OF DEFORMED) (52-KD BRACKETING PROTEIN) (B52 PROTEIN)//4.9e-05:207:27//DROSOPHILA MELANOGASTER (FRUIT FLY)//P26686  
 F-HEMBA1003656  
 35 F-HEMBA1003662//PROLINE-RICH PEPTIDE P-B//0.57:17:52//HOMO SAPIENS (HUMAN)//P02814  
 F-HEMBA1003667//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/6.0e-16:43:72//HOMO SAPIENS (HUMAN)//P39194  
 F-HEMBA1003679  
 F-HEMBA1003680//PUTATIVE AMINOPEPTIDASE ZK353.6 IN CHROMOSOME III (EC 3.4.11.-)//3.9e-08:137:27//CAENORHABDITIS ELEGANS//P34629  
 40 F-HEMBA1003684//ZINC FINGER PROTEIN 151 (POLYOMAVIRUS LATE INITIATOR PROMOTER BINDING PROTEIN) (LP-1) (ZINC FINGER PROTEIN Z13)//2.1e-20:127:40//MUS MUSCULUS (MOUSE)//Q60821  
 F-HEMBA1003690//HYPOTHETICAL PROTEIN KIAA0288 (HA6116)//3.0e-85:201:78//HOMO SAPIENS (HUMAN)//P56524  
 45 F-HEMBA1003692//CELL DIVISION CONTROL PROTEIN 1//0.13:69:30//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40986  
 F-HEMBA1003711//CARCINOEMBRYONIC ANTIGEN PRECURSOR (CEA) (MECONIUM ANTIGEN 100) (CD66E ANTIGEN)//0.021:153:26//HOMO SAPIENS (HUMAN)//P06731  
 F-HEMBA1003714//ABAECIN//0.99:34:32//BOMBUS PASCUORUM//P81463  
 50 F-HEMBA1003715  
 F-HEMBA1003720//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//5.4e-34:155:56//HOMO SAPIENS (HUMAN)//P08547  
 F-HEMBA1003725//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//1.3e-27:181:41//HOMO SAPIENS (HUMAN)//P08547  
 55 F-HEMBA1003729//PTB-ASSOCIATED SPLICING FACTOR (PSF)//0.0037:103:33//HOMO SAPIENS (HUMAN)//P23246  
 F-HEMBA1003733//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//5.0e-54:210:58//HOMO SAPIENS (HUMAN)//P08547

# EP 1 074 617 A2

F-HEMBA1003742//MALE SPECIFIC SPERM PROTEIN MST84DB//0.066:72:33//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q01643  
F-HEMBA1003758  
5 F-HEMBA1003760//HYPOXIA-INDUCIBLE FACTOR 1 ALPHA (HIF-1 ALPHA) (ARNT INTERACTING PROTEIN)//1.5e-51:220:52//MUS MUSCULUS (MOUSE)//Q61221  
F-HEMBA1003773  
F-HEMBA1003783  
F-HEMBA1003784  
10 F-HEMBA1003799//SHORT NEUROTOXIN 1 (TOXIN AA C)//0.95:27:37//ACANTHOPHIS ANTARCTICUS (COMMON DEATH ADDER)//P01434  
F-HEMBA1003803//GAG POLYPROTEIN [CONTAINS: CORE PROTEINS P15, P12, P30]//0.46:96:34//FELINE SARCOMA VIRUS (STRAIN SNYDER-THEILEN)//P03338  
F-HEMBA1003804//DNA-BINDING P52/P100 COMPLEX, 100 KD SUBUNIT (FRAGMENTS)//0.019:30:50//HOMO SAPIENS (HUMAN)//P30808  
15 F-HEMBA1003805//HYPOTHETICAL 75.0 KD PROTEIN B0280.11 IN CHROMOSOME III//1.8e-20:109:47//CAENORHABDITIS ELEGANS//P42083  
F-HEMBA1003807  
F-HEMBA1003827//HYPOTHETICAL PROLINE-RICH PROTEIN (FRAGMENT)//2.1e-09:23:78//OWENIA FUSIFORMIS//P21260  
20 F-HEMBA1003836//MOB1 PROTEIN (MPS1 BINDER 1)//2.0e-31:134:52//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40484  
F-HEMBA1003838//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/3.9e-22:39:76//HOMO SAPIENS (HUMAN)//P39192  
F-HEMBA1003856  
25 F-HEMBA1003864//HYPOTHETICAL 39.4 KD PROTEIN IN MET1-SIS2 INTERGENIC REGION//1.5e-15:194:30//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P36151  
F-HEMBA1003866//PROTEIN A39//0.0027:72:33//VACCINIA VIRUS (STRAIN COPENHAGEN)//P21062  
F-HEMBA1003879//80 KD NUCLEAR CAP BINDING PROTEIN (NCBP 80 KD SUBUNIT) (CBP80)//2.9e-16:22:100//HOMO SAPIENS (HUMAN)//Q09161  
30 F-HEMBA1003880//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//0.99:39:38//FELIS SILVESTRIUS (CAT)//P48896  
F-HEMBA1003885//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/3.5e-28:47:76//HOMO SAPIENS (HUMAN)//P39193  
F-HEMBA1003893//HYPOTHETICAL 27.8 KD PROTEIN IN VMA7-RPS25A INTERGENIC REGION//1.7e-57:215:51//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53215  
35 F-HEMBA1003902  
F-HEMBA1003908  
F-HEMBA1003926//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/4.3e-10:60:63//HOMO SAPIENS (HUMAN)//P39188  
40 F-HEMBA1003937//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/8.1e-29:68:64//HOMO SAPIENS (HUMAN)//P39194  
F-HEMBA1003939//PROTEIN Q300//0.0025:24:62//MUS MUSCULUS (MOUSE)//Q02722  
F-HEMBA1003942//EXCITATORY INSECT TOXIN BJXTR-IT PRECURSOR (BJ-XTRIT)//0.084:67:31//BUTHOTUS JUDAICUS (SCORPION) (HOTTENTOTTA JUDAICA)//P56637  
45 F-HEMBA1003950//HYPOTHETICAL 8.1 KD PROTEIN IN SPEA-METK INTERGENIC REGION (O71)//0.95:26:34//ESCHERICHIA COLI//P46878  
F-HEMBA1003953//ZINC FINGER PROTEIN MFG-1 (ZINC FINGER PROTEIN 58) (FRAGMENT)//2.5e-17:89:46//MUS MUSCULUS (MOUSE)//P16372  
F-HEMBA1003958//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//4.2e-23:43:76//HOMO SAPIENS (HUMAN)//P08547  
50 F-HEMBA1003959  
F-HEMBA1003976//HYPOTHETICAL PROTEIN KIAA0076 (HA0936)//0.99:88:28//HOMO SAPIENS (HUMAN)//Q14999  
F-HEMBA1003978//SMALL PROLINE RICH PROTEIN II (SPR-II) (CLONE 930)//0.98:19:57//HOMO SAPIENS (HUMAN)//P22531  
55 F-HEMBA1003985//LYSYL-TRNA SYNTHETASE (EC 6.1.1.6) (LYSINE--TRNA LIGASE) (LYSRS) (FRAGMENT)//1.0:40:32//MYCOBACTERIUM LEPRAE//P46861  
F-HEMBA1003987//HYPOTHETICAL PROTEIN UL66//0.27:65:33//HUMAN CYTOMEGALOVIRUS (STRAIN



AD169).//P16822  
 F-HEMBA1003989//MALE SPECIFIC SPERM PROTEIN MST84DB.//5.2e-05:64:40//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q01643  
 F-HEMBA1004000//PROTEIN Q300.//0.00042:17:82//MUS MUSCULUS (MOUSE)//Q02722  
 5 F-HEMBA1004011//ALPHA-TYPE CALCITONIN GENE-RELATED PEPTIDE PRECURSOR (CGRP-1)//0.47:106:32//HOMO SAPIENS (HUMAN)//P06881  
 F-HEMBA1004012//ATP SYNTHASE PROTEIN 9, MITOCHONDRIAL (EC 3.6.1.34) (LIPID-BINDING PROTEIN).//0.96:36:33//PARAMECIUM TETRAURELIA//P16001  
 F-HEMBA1004015//HYPOTHETICAL 29.3 KD PROTEIN B0280.6 IN CHROMOSOME III.//0.00018:90:34//  
 10 CAENORHABDITIS ELEGANS.//P41997  
 F-HEMBA1004024//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/5.1e-34:75:80//HOMO SAPIENS (HUMAN)//P39194  
 F-HEMBA1004038  
 F-HEMBA1004042  
 15 F-HEMBA1004045//40S RIBOSOMAL PROTEIN S27A.//1.0:20:55//ASPARAGUS OFFICINALIS (GARDEN ASPARAGUS).//P31753  
 F-HEMBA1004048//PROLINE-RICH PROTEIN MP-3 (FRAGMENT)//1.3e-06:158:35//MUS MUSCULUS (MOUSE).//P05143  
 F-HEMBA1004049//32 KD HEAT SHOCK PROTEIN (4-1 PROTEIN).//0.098:106:32//DICTYOSTELIUM DISCOIDEUM (SLIME MOLD).//P54658  
 20 F-HEMBA1004055//HYPOTHETICAL PROTEIN HI0258/259.//0.87:133:23//HAEMOPHILUS INFLUENZAE.//P43974  
 F-HEMBA1004056//!!!! ALU SUBFAMILY SB2 WARNING ENTRY !!!!!/3.3e-25:39:64//HOMO SAPIENS (HUMAN)//P39191  
 25 F-HEMBA1004074//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/9.9e-08:35:68//HOMO SAPIENS (HUMAN).//P39188  
 F-HEMBA1004086  
 F-HEMBA1004097//IMMEDIATE-EARLY PROTEIN IE4 (IE68) (FRAGMENT)//0.71:95:35//HERPES SIMPLEX VIRUS (TYPE 2).//P14379  
 30 F-HEMBA1004111//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/4.7e-26:84:64//HOMO SAPIENS (HUMAN).//P39188  
 F-HEMBA1004131//SEPTIN 2 HOMOLOG (FRAGMENT).//2.8e-34:108:63//HOMO SAPIENS (HUMAN).//Q14141  
 F-HEMBA1004132//HYPOTHETICAL PROTEIN HI1736.//1.0:44:34//HAEMOPHILUS INFLUENZAE.//P44300  
 35 F-HEMBA1004133//HYPOTHETICAL 8.5 KD PROTEIN CY274.40C.//0.89:21:57//MYCOBACTERIUM TUBERCULOSIS.//Q10826  
 F-HEMBA1004138//EARLY NODULIN 75 (N-75) (NGM-75) (FRAGMENT).//0.016:39:41//MEDICAGO SATIVA (ALFALFA).//P11728  
 F-HEMBA1004143//CYTOCHROME C OXIDASE POLYPEPTIDE VIII PRECURSOR (EC 1.9.3.1).//0.93:34:29//  
 40 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P04039  
 F-HEMBA1004146//BASIC PROLINE-RICH PEPTIDE P-E (IB-9).//0.63:52:36//HOMO SAPIENS (HUMAN).//P02811  
 F-HEMBA1004150//METALLOTHIONEIN-II (MT-II).//1.0:20:45//MUS MUSCULUS (MOUSE).//P02798  
 F-HEMBA1004164//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/3.0e-13:57:71//HOMO SAPIENS (HUMAN).//  
 45 P39195  
 F-HEMBA1004168//V-TYPE SODIUM ATP SYNTHASE SUBUNIT F (EC 3.6.1.34) (NA(+)-TRANSLOCATING ATPASE SUBUNIT F).//0.00035:90:34//ENTEROCOCCUS HIRAE.//P43437  
 F-HEMBA1004199//HYPOTHETICAL HELICASE K12H4.8 IN CHROMOSOME III.//5.1e-14:115:31//  
 50 CAENORHABDITIS ELEGANS.//P34529  
 F-HEMBA1004200  
 F-HEMBA1004202//YPT1-RELATED PROTEIN 1.//2.5e-24:96:52//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST).//P11620  
 F-HEMBA1004203//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/2.2e-09:48:64//HOMO SAPIENS (HUMAN).//  
 55 P39193  
 F-HEMBA1004207//HYPOTHETICAL 8.7 KD PROTEIN IN RPL22-RPL23 INTERGENIC REGION (ORF70).//0.98:51:33//ASTASIA LONGA (EUGLENOPHYCEAN ALGA).//P34779  
 F-HEMBA1004225//METALLOTHIONEIN-II.//1.0:30:33//CANDIDA GLABRATA (YEAST) (TORULOPSIS GLABRATA).//P15114

# EP 1 074 617 A2

F-HEMBA1004227//PUTATIVE PROTEIN PHOSPHATASE 2C (EC 3.1.3.16) (PP2C) (KIAA0015)//5.9e-06:109:33//HOMO SAPIENS (HUMAN)//P49593  
 F-HEMBA1004238//VERY HYPOTHETICAL XYLU PROTEIN//0.98:39:38//ESCHERICHIA COLI//P05056  
 F-HEMBA1004241//SOX-13 PROTEIN (FRAGMENT)//0.66:36:38//MUS MUSCULUS (MOUSE)//Q04891  
 5 F-HEMBA1004246  
 F-HEMBA1004248//INSULIN-INDUCED GROWTH RESPONSE PROTEIN CL-6 (IMMEDIATE-EARLY PROTEIN CL-6)//1.0e-43:98:84//RATTUS NORVEGICUS (RAT)//Q08755  
 F-HEMBA1004264//SPIDROIN 2 (DRAGLINE SILK FIBROIN 2) (FRAGMENT)//0.014:160:28//NEPHILA CLAVIPES (ORB SPIDER)//P46804  
 10 F-HEMBA1004267//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/1.8e-52:56:83//HOMO SAPIENS (HUMAN)//P39189  
 F-HEMBA1004272  
 F-HEMBA1004274//HYPOTHETICAL 13.0 KD. PROTEIN F59B2.10 IN CHROMOSOME III//0.00084:33:54//CAENORHABDITIS ELEGANS//P34485  
 15 F-HEMBA1004275//HYPOTHETICAL 56.5 KD PROTEIN IN CAJ1-HOM3 INTERGENIC REGION//9.3e-06:125:27//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40034  
 F-HEMBA1004276//BETA-ADAPTIN 1 (PLASMA MEMBRANE ADAPTOR HA2/AP2 ADAPTIN BETA SUBUNIT) (CLATHRIN ASSEMBLY PROTEIN COMPLEX 2 BETA LARGE CHAIN) (AP105A)//3.7e-30:239:32//HOMO SAPIENS (HUMAN)//Q10567  
 20 F-HEMBA1004286//CUTICLE COLLAGEN 34//0.0027:71:38//CAENORHABDITIS ELEGANS//P34687  
 F-HEMBA1004289//PTR3 PROTEIN (SSY3 PROTEIN)//1.0:76:28//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P43606  
 F-HEMBA1004295//DNA-BINDING P52/P100 COMPLEX, 100 KD SUBUNIT (FRAGMENTS)//0.075:58:39//HOMO SAPIENS (HUMAN)//P30808  
 25 F-HEMBA1004306//HYPOTHETICAL 29.3 KD PROTEIN (ORF92)//0.020:132:30//ORGYIA PSEUDOTSUGATA MULTICAPSID POLYHEDROSIS VIRUS (OPMNPV)//O10341  
 F-HEMBA1004312//EARLY PROTEIN I73R//0.99:65:32//AFRICAN SWINE FEVER VIRUS (STRAIN BA71V) (ASFV)//P27946  
 F-HEMBA1004321//ZINC FINGER PROTEIN 90 (ZFP-90) (ZINC FINGER PROTEIN NK10)//4.3e-43:133:44//MUS MUSCULUS (MOUSE)//Q61967  
 30 F-HEMBA1004323  
 F-HEMBA1004327//SMALL PROLINE-RICH PROTEIN 2-1//0.027:48:43//HOMO SAPIENS (HUMAN)//P35326  
 F-HEMBA1004330//HOMEBOX PROTEIN ENGRAILED-1 (HU-EN-1)//0.46:70:34//HOMO SAPIENS (HUMAN)//Q05925  
 35 F-HEMBA1004334//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//7.7e-05:83:34//HOMO SAPIENS (HUMAN)//P08547  
 F-HEMBA1004335//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/2.0e-24:41:80//HOMO SAPIENS (HUMAN)//P39195  
 F-HEMBA1004341//PROLINE-RICH PROTEIN MP-3 (FRAGMENT)//2.8e-06:148:35//MUS MUSCULUS (MOUSE)//P05143  
 40 F-HEMBA1004353//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/2.2e-29:57:80//HOMO SAPIENS (HUMAN)//P39195  
 F-HEMBA1004354//CHL1 PROTEIN//0.017:40:40//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P22516  
 45 F-HEMBA1004356  
 F-HEMBA1004366//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//0.00045:49:46//HOMO SAPIENS (HUMAN)//P08547  
 F-HEMBA1004372//VERY HYPOTHETICAL 20.6 KD PROTEIN C56F8.15 IN CHROMOSOME I//1.0:125:28//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q10263  
 50 F-HEMBA1004389//HYPOTHETICAL 113.1 KD PROTEIN IN PRES-FET4 INTERGENIC REGION//0.76:170:25//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//Q04893  
 F-HEMBA1004394  
 F-HEMBA1004396//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//1.2e-10:72:51//HOMO SAPIENS (HUMAN)//P08547  
 55 F-HEMBA1004405  
 F-HEMBA1004408//PEPTIDYL-PROLYL CIS-TRANS ISOMERASE 10 (EC 5.2.1.8) (PPIASE) (ROTAMASE) (CYCLOPHILIN-10)//2.7e-29:146:48//CAENORHABDITIS ELEGANS//P52017  
 F-HEMBA1004429//!!!! ALU SUBFAMILY SB2 WARNING ENTRY !!!!!/0.0019:47:59//HOMO SAPIENS (HUMAN)

MAN)//P39191  
 F-HEMBA1004433//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/1.1e-20:47:68//HOMO SAPIENS (HUMAN)//  
 P39192  
 F-HEMBA1004460//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/6.2e-64:134:69//HOMO SAPIENS (HU-  
 5 MAN)//P39193  
 F-HEMBA1004461//METALLOTHIONEIN-LIKE PROTEIN 1.//1.0:39:35//PISUM SATIVUM (GARDEN PEA)//  
 P20830  
 F-HEMBA1004479//HYPOXIA-INDUCIBLE FACTOR 1 ALPHA (HIF-1 ALPHA) (ARNT INTERACTING PRO-  
 TEIN)//9.7e-43:101:48//MUS MUSCULUS (MOUSE)//Q61221  
 10 F-HEMBA1004482//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34)//1.0:41:36//CANDIDA GLABRATA (YEAST)  
 (TORULOPSIS GLABRATA)//P05040  
 F-HEMBA1004499//TUBULIN BETA CHAIN//0.00021:55:36//CAENORHABDITIS ELEGANS//P52275  
 F-HEMBA1004502  
 F-HEMBA1004506//HYPOTHETICAL PROTEIN ORF-1137//5.3-11:119:35//MUS MUSCULUS (MOUSE)//  
 15 P11260  
 F-HEMBA1004507//SPLICEOSOME ASSOCIATED PROTEIN 62 (SAP 62) (SF3A66)//0.00072:90:37//HOMO  
 SAPIENS (HUMAN)//Q15428  
 F-HEMBA1004509//HYPOTHETICAL 52.2 KD PROTEIN IN MPR1-GCN20 INTERGENIC REGION//6.3e-28:169:  
 42//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P43589  
 20 F-HEMBA1004534//ENDOTHELIAL ACTIN-BINDING PROTEIN (ABP-280) (NONMUSCLE FILAMIN) (FILAMIN  
 1)//1.3e-80:226:66//HOMO SAPIENS (HUMAN)//P21333  
 F-HEMBA1004538//HYPOTHETICAL PROTEIN MJ0764//0.96:28:35//METHANOCOCCUS JANNASCHII//  
 Q58174  
 F-HEMBA1004542//METALLOTHIONEIN (MT)//0.78:36:41//GADUS MORHUA (ATLANTIC COD)//P51902  
 25 F-HEMBA1004554  
 F-HEMBA1004560//HYPOTHETICAL PROTEIN KIAA0281 (HA6725)//4.2e-15:56:69//HOMO SAPIENS (HU-  
 MAN)//Q92556  
 F-HEMBA1004573//CIRCUMSPOROZOITE PROTEIN PRECURSOR (CS)//0.65:31:58//PLASMODIUM  
 BERGHEI//P06915  
 30 F-HEMBA1004577//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/3.9e-08:35:80//HOMO SAPIENS (HUMAN)//  
 P39195  
 F-HEMBA1004586//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/6.6e-08:64:54//HOMO SAPIENS (HU-  
 MAN)//P39194  
 F-HEMBA1004596//HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN C (HNRNP C) (HNRNP CORE  
 35 PROTEIN C) (FRAGMENT)//0.00057:88:31//RATTUS NORVEGICUS (RAT)//P17132  
 F-HEMBA1004604//COLLAGEN ALPHA 2(XI) CHAIN PRECURSOR (FRAGMENT)//0.045:37:45//MUS MUSCU-  
 LUS (MOUSE)//Q64739  
 F-HEMBA1004610//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/4.3e-11:73:54//HOMO SAPIENS (HUMAN)//  
 P39188  
 40 F-HEMBA1004617  
 F-HEMBA1004629  
 F-HEMBA1004631//HYPOTHETICAL 7.8 KD PROTEIN IN WAPA-LICT INTERGENIC REGION//1.0:36:38//BA-  
 CILLUS SUBTILIS//P42303  
 F-HEMBA1004632//PHOTOSYSTEM I REACTION CENTRE SUBUNIT X PRECURSOR (LIGHT-HARVESTING  
 45 8.0 KD POLYPEPTIDE)//0.86:48:35//SYNECHOCOCCUS ELONGATUS NAEGELI//P20453  
 F-HEMBA1004637//HYPOTHETICAL 83.6 KD PROTEIN R05D3.2 IN CHROMOSOME III//1.7e-32:159:42//  
 CAENORHABDITIS ELEGANS//P34535  
 F-HEMBA1004638//HYPOTHETICAL PROLINE-RICH PROTEIN (FRAGMENT)//2.8e-06:50:46//OWENIA FUSI-  
 FORMIS//P21260  
 50 F-HEMBA1004666//TOXIN S6C4//1.0:36:30//DENDROASPIS JAMESONI KAIMOSAE (EASTERN JAMESON'S  
 MAMBA)//P25682  
 F-HEMBA1004669//SPLICING FACTOR, ARGININE/SERINE-RICH 4 (PRE-MRNA SPLICING FACTOR  
 SRP75)//1.6e-12:105:42//HOMO SAPIENS (HUMAN)//Q08170  
 F-HEMBA1004670//PROCOLLAGEN ALPHA 1(I) CHAIN PRECURSOR//2.5e-06:62:45//HOMO SAPIENS (HU-  
 55 MAN)//P02452  
 F-HEMBA1004672//HYPOTHETICAL PROTEIN MJ0437//0.95:37:29//METHANOCOCCUS JANNASCHII//  
 Q57879  
 F-HEMBA1004693//MYOSIN HEAVY CHAIN, NONMUSCLE TYPE B (CELLULAR MYOSIN HEAVY CHAIN,

# EP 1 074 617 A2

TYPE B) (NMMHC-B) //0.00035:217:23//HOMO SAPIENS (HUMAN) //P35580  
F-HEMBA1004697//IMMUNOGLOBULIN G BINDING PROTEIN H PRECURSOR (PROTEIN H) //0.058:118:30//  
STREPTOCOCCUS PYOGENES //P50470  
5 F-HEMBA1004705//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!//6.8e-09:43:72//HOMO SAPIENS (HUMAN) //P39188  
F-HEMBA1004709//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!//8.8e-18:50:84//HOMO SAPIENS (HUMAN) //P39189  
F-HEMBA1004711//ETS-RELATED PROTEIN 71 (ETS TRANSLOCATION VARIANT 2) //0.0027:148:30//HOMO  
SAPIENS (HUMAN) //000321  
10 F-HEMBA1004725//CUTICLE COLLAGEN 2 //0.0051:41:41//CAENORHABDITIS ELEGANS //P17656  
F-HEMBA1004730//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG //1.4e-22:210:37//HOMO SAPIENS (HU-  
MAN) //P08547  
F-HEMBA1004733//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!//4.7e-07:50:62//HOMO SAPIENS (HUMAN) //P39188  
15 F-HEMBA1004734//UBIQUITIN-CONJUGATING ENZYME E2-18 KD (EC 6.3.2.19) (UBIQUITIN- PROTEIN  
LIGASE) (UBIQUITIN CARRIER PROTEIN) (PM42) //9.9e-39:143:52//ARABIDOPSIS THALIANA (MOUSE-EAR  
CRESS) //P42743  
F-HEMBA1004736//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG //4.1e-60:210:61//HOMO SAPIENS (HU-  
MAN) //P08547  
20 F-HEMBA1004748  
F-HEMBA1004751//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!//4.8e-20:88:63//HOMO SAPIENS (HUMAN) //P39188  
F-HEMBA1004752//SKIN SECRETORY PROTEIN XP2 PRECURSOR (APEG PROTEIN) //0.0043:126:34//  
XENOPUS LAEVIS (AFRICAN CLAWED FROG) //P17437  
25 F-HEMBA1004753//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!//7.8e-28:47:78//HOMO SAPIENS (HUMAN) //P39193  
F-HEMBA1004756//HYPOTHETICAL 53.3 KD PROTEIN IN HXT8-CAN1 INTERGENIC REGION //0.22:77:27//  
SACCHAROMYCES CEREVISIAE (BAKER'S YEAST) //P39981  
F-HEMBA1004758  
30 F-HEMBA1004763//HYPOTHETICAL PROLINE-RICH PROTEIN (FRAGMENT) //1.1e-06:58:43//OWENIA FUSI-  
FORMIS //P21260  
F-HEMBA1004768//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG //4.7e-65:298:53//HOMO SAPIENS (HU-  
MAN) //P08547  
F-HEMBA1004770  
35 F-HEMBA1004771  
F-HEMBA1004776//GRANULIN 1 //0.78:28:42//CYPRINUS CARPIO (COMMON CARP) //P81013  
F-HEMBA1004778  
F-HEMBA1004795//CDC4-LIKE PROTEIN (FRAGMENT) //6.9e-20:74:63//HOMO SAPIENS (HUMAN) //P50851  
F-HEMBA1004803//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG //1.4e-22:58:86//HOMO SAPIENS (HU-  
40 MAN) //P08547  
F-HEMBA1004806//HYPOTHETICAL 24.3 KD PROTEIN IN PSBH-RPL11 INTERGENIC REGION (ORF182) //0.72:75:33//CYANOPHORA PARADOXA //P48324  
F-HEMBA1004807  
F-HEMBA1004816  
45 F-HEMBA1004820//HEMOLYMPH TRYPSIN INHIBITOR A (BPI-TYPE) (FRAGMENT) //1.0:50:38//MANDUCA  
SEXTA (TOBACCO HAWKMOTH) (TOBACCO HORNWORM) //P26226  
F-HEMBA1004847//SIGNAL RECOGNITION PARTICLE 68 KD PROTEIN (SRP68) //3.0e-76:171:91//CANIS FA-  
MILIARIS (DOG) //Q00004  
F-HEMBA1004850//COLLAGEN ALPHA 1(XII) CHAIN (FRAGMENTS) //3.0e-05:64:43//BOS TAURUS (BO-  
50 VINE) //P25508  
F-HEMBA1004863//TOXIN C13S1C1 PRECURSOR //0.38:52:30//DENDROASPIS ANGUSTICEPS (EASTERN  
GREEN MAMBA) //P18329  
F-HEMBA1004864//TAT PROTEIN (TRANSACTIVATING REGULATORY PROTEIN) (FRAGMENT) //0.89:24:50//  
HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (BH5 ISOLATE) (HIV-1) //P04612  
55 F-HEMBA1004865  
F-HEMBA1004880  
F-HEMBA1004889//SMALL PROLINE-RICH PROTEIN II (SPR-II) (CLONE 174N) //0.66:23:47//HOMO SAPIENS  
(HUMAN) //P22532

F-HEMBA1004900  
 F-HEMBA1004909  
 F-HEMBA1004918//CHLOROPLAST 30S RIBOSOMAL PROTEIN S8 (FRAGMENT)//0.56:37:32//SPINACIA OL-  
 ERACEA (SPINACH)//P09597  
 5 F-HEMBA1004923//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/3,5e-24:44:68//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-HEMBA1004929//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//0.97:39:38//STRONGYLOCENTROTUS  
 PURPURATUS (PURPLE SEA URCHIN)//P15997  
 F-HEMBA1004930//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//6.6e-15:64:59//HOMO SAPIENS (HU-  
 10 MAN)//P08547  
 F-HEMBA1004933//VASODILATOR-STIMULATED PHOSPHOPROTEIN (VASP)//0.34:58:41//HOMO SAPIENS  
 (HUMAN)//P50552  
 F-HEMBA1004934  
 F-HEMBA1004944  
 15 F-HEMBA1004954//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 3 (EC 1.6.5.3)//0.58:78:30//PARA-  
 MECIUM TETRAURELIA//P15579  
 F-HEMBA1004956//HYPOTHETICAL 18.8 KD PROTEIN (ORF4)//0.98:57:31//PARAMECIUM TETRAURELIA//  
 P15605  
 F-HEMBA1004960//HYPOTHETICAL 12.6 KD PROTEIN-(ORFJ) (RETRON EC67)//1.0:58:27//ESCHERICHIA  
 20 COLI//P21324  
 F-HEMBA1004972  
 F-HEMBA1004973//SMALL PROLINE RICH PROTEIN II (SPR-II) (CLONE 930)//0.90:55:30//HOMO SAPIENS  
 (HUMAN)//P22531  
 F-HEMBA1004977  
 25 F-HEMBA1004978  
 F-HEMBA1004980//MOTILIN PRECURSOR//0.088:79:31//MACACA MULATTA (RHESUS MACAQUE)//018811  
 F-HEMBA1004983//10 KD CHAPERONIN (PROTEIN CPN10) (PROTEIN GROES)//0.87:51:31//BUCHNERA  
 APHIDICOLA//Q59176  
 F-HEMBA1004995//MYOCYTE-SPECIFIC ENHANCER FACTOR 2B (SERUM RESPONSE FACTOR-LIKE PRO-  
 30 TEIN 2) (XMEF2) (RSRFR2)//0.17:52:40//HOMO SAPIENS (HUMAN)//Q02080  
 F-HEMBA1005008//METALLOTHIONEIN (MT)//1.0:52:32//CRASSOSTREA VIRGINICA (EASTERN OYS-  
 TER)//P23038  
 F-HEMBA1005009//ACTIN//3.5e-27:171:38//CANDIDA ALBICANS (YEAST)//P14235  
 F-HEMBA1005019//HYPOTHETICAL PROTEIN HI1222//0.13:58:31//HAEMOPHILUS INFLUENZAE//P44129  
 35 F-HEMBA1005029//P2Y PURINOCEPTOR 5 (P2Y5) (PURINERGIC RECEPTOR 5) (6H1)//0.76:72:31//GALLUS  
 GALLUS (CHICKEN)//P32250  
 F-HEMBA1005035//HOMEOBOX PROTEIN HB9//0.0086:60:40//HOMO SAPIENS (HUMAN)//P50219  
 F-HEMBA1005039//SMALL PROLINE-RICH PROTEIN II (SPR-II) (CLONE 174N)//0.47:49:32//HOMO SAPIENS  
 (HUMAN)//P22532  
 40 F-HEMBA1005047//RAS-RELATED PROTEIN RAB-24 (RAB-16)//1.5e-19:39:100//MUS MUSCULUS  
 (MOUSE)//P35290  
 F-HEMBA1005050//COLLAGEN ALPHA 1(XII) CHAIN (FRAGMENTS)//0.074:34:44//BOS TAURUS (BOVINE)//  
 P25508  
 F-HEMBA1005062  
 45 F-HEMBA1005066//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//2.1e-44:126:65//HOMO SAPIENS (HU-  
 MAN)//P08547  
 F-HEMBA1005075//SUPPRESSOR PROTEIN SRP40//0.35:96:31//SACCHAROMYCES CEREVISIAE (BAK-  
 ER'S YEAST)//P32583  
 F-HEMBA1005079//!!!! ALU SUBFAMILY SB2 WARNING ENTRY !!!!!/3.6e-20:75:64//HOMO SAPIENS (HU-  
 50 MAN)//P39191  
 F-HEMBA1005083//COLLAGEN ALPHA 1(XII) CHAIN (FRAGMENTS)//0.00015:72:34//BOS TAURUS (BO-  
 VINE)//P25508  
 F-HEMBA1005101//HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN 27C (HNRNP 48) (HRP48.1)//  
 4.8e-10:176:25//DROSOPHILA MELANOGASTER (FRUIT FLY)//P48809  
 55 F-HEMBA1005113  
 F-HEMBA1005123//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/3.6e-24:99:60//HOMO SAPIENS (HU-  
 MAN)//P39194  
 F-HEMBA1005133//HYPOTHETICAL 13.5 KD PROTEIN IN MOB1-SGA1 INTERGENIC REGION//0.11:22:54//

SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40490  
 F-HEMBA1005149//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/3.7e-16:59:71//HOMO SAPIENS (HUMAN)//  
 P39188  
 5 F-HEMBA1005152//GENOME POLYPROTEIN 2 [CONTAINS: HELPER COMPONENT PROTEINASE (EC  
 3.4.22.-) (HC-PRO); 70 KD PROTEIN]//1.0:77:27//BARLEY YELLOW MOSAIC VIRUS (JAPANESE STRAIN II-  
 1) (BAYMV)//Q01207  
 F-HEMBA1005159//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 4L (EC 1.6.5.3)//0.40:53:33//APIS MEL-  
 LIFERA (HONEYBEE)//P34859  
 10 F-HEMBA1005185//MYOSIN IB HEAVY CHAIN//0.011:58:48//DICTYOSTELIUM DISCOIDEUM (SLIME  
 MOLD)//P34092  
 F-HEMBA1005201//HYPOTHETICAL 56.6 KD PROTEIN C16C9.03 IN CHROMOSOME I//3.9e-67:241:53//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09817  
 F-HEMBA1005202//SIGNAL RECOGNITION PARTICLE 68 KD PROTEIN (SRP68)//3.8e-124:257:95//CANIS  
 FAMILIARIS (DOG)//Q00004  
 15 F-HEMBA1005206//CUTICLE COLLAGEN 1//0.010:118:33//CAENORHABDITIS ELEGANS//P08124  
 F-HEMBA1005219//PTB-ASSOCIATED SPLICING FACTOR (PSF)//0.99:85:40//HOMO SAPIENS (HUMAN)//  
 P23246  
 F-HEMBA1005223//HYPOTHETICAL GENE 1.05 PROTEIN//0.31:75:28//BACTERIOPHAGE T3//P07715  
 F-HEMBA1005232//HYPOTHETICAL 7.8 KD PROTEIN//0.99:48:29//VACCINIA VIRUS (STRAIN WR), AND  
 20 VACCINIA VIRUS (STRAIN COPENHAGEN)//P20544  
 F-HEMBA1005241//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/1.4e-28:138:55//HOMO SAPIENS (HU-  
 MAN)//P39193  
 F-HEMBA1005244//SMALL PROLINE RICH PROTEIN II (SPR-II) (CLONE 930)//0.014:39:41//HOMO SAPIENS  
 (HUMAN)//P22531  
 25 F-HEMBA1005251//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//0.55:15:46//DICENTRARCHUS LABRAX  
 (EUROPEAN SEA BASS)//Q36362  
 F-HEMBA1005252//EC PROTEIN HOMOLOG (ZINC-METALLOTHIONEIN CLASS II)//0.088:33:42//ZEA MAYS  
 (MAIZE)//P43401  
 F-HEMBA1005274  
 30 F-HEMBA1005275//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/0.96:42:45//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-HEMBA1005293//PROBABLE COATOMER BETA' SUBUNIT (BETA'-COAT PROTEIN) (BETA'-COP)//0.55:98:  
 30//CAENORHABDITIS ELEGANS//Q20168  
 F-HEMBA1005296//MUCIN 2 PRECURSOR (INTESTINAL MUCIN 2)//0.095:75:34//HOMO SAPIENS (HU-  
 35 MAN)//Q02817  
 F-HEMBA1005304//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/5.4e-33:103:74//HOMO SAPIENS (HU-  
 MAN)//P39189  
 F-HEMBA1005311//PERIOD CLOCK PROTEIN (FRAGMENT)//0.99:45:31//DROSOPHILA SALTANS (FRUIT  
 FLY)//Q04536  
 40 F-HEMBA1005314//HYPOTHETICAL 6.3 KD PROTEIN T19C3.3 IN CHROMOSOME III//0.98:30:30//  
 CAENORHABDITIS ELEGANS//Q10009  
 F-HEMBA1005315//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//1.1e-05:35:51//HOMO SAPIENS (HU-  
 MAN)//P08547  
 F-HEMBA1005318//OLFACTORY RECEPTOR-LIKE PROTEIN COR8 (FRAGMENT)//0.57:44:38//GALLUS  
 45 GALLUS (CHICKEN)//Q98913  
 F-HEMBA1005331//IMMEDIATE-EARLY PROTEIN IE180//0.57:106:33//PSEUDORABIES VIRUS (STRAIN IN-  
 DIANA-FUNKHAUSER / BECKER) (PRV)//P11675  
 F-HEMBA1005338//CARTIAGE MATRIX PROTEIN PRECURSOR (MATRILIN-1)//1.8e-55:199:59//GALLUS  
 GALLUS (CHICKEN)//P05099  
 50 F-HEMBA1005353//CHLOROPLAST 30S RIBOSOMAL PROTEIN S17//0.88:33:36//PORPHYRA PURPUREA//  
 P51305  
 F-HEMBA1005359//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1)//1.1e-68:255:48//HOMO SA-  
 PIENS (HUMAN)//P51522  
 F-HEMBA1005367//ALPHA-AMYLASE INHIBITOR AAI//1.0:25:40//AMARANTHUS HYPOCHONDRIACUS  
 55 (PRINCE'S FEATHER)//P80403  
 F-HEMBA1005372  
 F-HEMBA1005374//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/2.0e-34:92:75//HOMO SAPIENS (HU-  
 MAN)//P39194

# EP 1 074 617 A2

F-HEMBA1005382//APOLIPOPROTEIN C-II (APO-CII)//0.99:39:33//BOS TAURUS (BOVINE)//P19034  
 F-HEMBA1005389//HYPOTHETICAL 70.0 KD PROTEIN IN DNAK 3'REGION (ORF4)//0.82:164:31//LACTO-  
 COCCUS LACTIS (SUBSP. LACTIS) (STREPTOCOCCUS LACTIS)//P42377  
 5 F-HEMBA1005394//HYPOTHETICAL 8.9 KD PROTEIN IN IE0-IE1 INTERGENIC REGION//0.98:44:38//  
 AUTOGRAPHA CALIFORNICA NUCLEAR POLYHEDROSIS VIRUS (ACMPNV)//P41703  
 F-HEMBA1005403//SPERM HISTONE P2 PRECURSOR (PROTAMINE MP2)//0.066:64:29//MUS MUSCULUS  
 (MOUSE)//P07978  
 F-HEMBA1005408//50S RIBOSOMAL PROTEIN L33//0.77:32:25//BACILLUS SUBTILIS//Q06798  
 10 F-HEMBA1005410//RETROVIRUS-RELATED POL POLYPROTEIN [CONTAINS: REVERSE TRANSCRIPTASE  
 (EC 2.7.7.49); ENDONUCLEASE]//0.0065:38:52//MUS MUSCULUS (MOUSE)//P11369  
 F-HEMBA1005411//TOXIN S4C8//0.16:46:28//DENDROASPIS JAMESONI KAIMOSAE (EASTERN JAMES-  
 ON'S MAMBA)//P25683  
 F-HEMBA1005423//CYCLIN-DEPENDENT KINASE 6 INHIBITOR (P18-INK6) (CYCLIN-DEPENDENT KINASE  
 4 INHIBITOR C) (P18-INK4C)//4.3e-09:29:96//HOMO SAPIENS (HUMAN)//P42773  
 15 F-HEMBA1005426//TOXIN C10S2C2//0.99:49:34//DENDROASPIS ANGUSTICEPS (EASTERN GREEN MAM-  
 BA)//P25684  
 F-HEMBA1005443//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/2.9e-16:78:60//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-HEMBA1005447//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//0.99:57:31//DASYPUS NOVEMCINCTUS  
 20 (NINE-BANDED ARMADILLO)//O21329  
 F-HEMBA1005468//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 1 (EC 1.6.5.3) (FRAGMENTS)//0.68:41:  
 31//ARTEMIA SALINA (BRINE SHRIMP)//P19040  
 F-HEMBA1005469  
 F-HEMBA1005472//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//1.5e-39:142:70//HOMO SAPIENS (HU-  
 25 MAN)//P08547  
 F-HEMBA1005474//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/5.8e-10:44:68//HOMO SAPIENS (HU-  
 MAN)//P39194  
 F-HEMBA1005475//U1 SMALL NUCLEAR RIBONUCLEOPROTEIN 70 KD (U1 SNRNP 70 KD) (SNRNP70)//9.2e-  
 14:179:33//HOMO SAPIENS (HUMAN)//P08621  
 30 F-HEMBA1005497  
 F-HEMBA1005500//60S RIBOSOMAL PROTEIN L37//0.11:53:33//SCHISTOSOMA MANSONI (BLOOD  
 FLUKE)//044125  
 F-HEMBA1005506  
 F-HEMBA1005508  
 35 F-HEMBA1005511//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/3.5e-30:92:73//HOMO SAPIENS (HUMAN)//  
 P39194  
 F-HEMBA1005513//MALES-ABSENT ON THE FIRST PROTEIN (EC 2.3.1.-)//2.0e-39:95:61//DROSOPHILA  
 MELANOGASTER (FRUIT FLY)//O02193  
 F-HEMBA1005517//PROLINE-RICH PROTEIN MP-2 PRECURSOR//2.1e-06:56:44//MUS MUSCULUS  
 40 (MOUSE)//P05142  
 F-HEMBA1005518//COLLAGEN ALPHA 1(I) CHAIN (FRAGMENTS)//5.8e-05:192:33//BOS TAURUS (BO-  
 VINE)//P02453  
 F-HEMBA1005520//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/2.0e-18:87:57//HOMO SAPIENS (HUMAN)//  
 P39188  
 45 F-HEMBA1005526//!!!! ALU SUBFAMILY SB2 WARNING ENTRY !!!!!/5.1e-22:77:54//HOMO SAPIENS (HU-  
 MAN)//P39191  
 F-HEMBA1005528//CCR4-ASSOCIATED FACTOR 1 (CAF1)//1.2e-81:157:98//MUS MUSCULUS (MOUSE)//  
 Q60809  
 F-HEMBA1005530//POLLEN ALLERGEN AMB P 5-A PRECURSOR (AMB P V-A)//0.98:19:47//AMBROSIA PSI-  
 50 LOSTACHYA (WESTERN RAGWEED)//P43174  
 F-HEMBA1005548//TRANSCRIPTION FACTOR MAF1//1.4e-72:137:97//RATTUS NORVEGICUS (RAT)//  
 P54842  
 F-HEMBA1005552//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/1.7e-29:47:78//HOMO SAPIENS (HUMAN)//  
 P39193  
 55 F-HEMBA1005558//HYPOTHETICAL 25.6 KD PROTEIN IN ABF2-CHL12 INTERGENIC REGION//1.6e-20:202:  
 30//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//Q04272  
 F-HEMBA1005568  
 F-HEMBA1005570//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 6 (EC 1.6.5.3)//1.0:80:31//

CAENORHABDITIS ELEGANS//P24885  
 F-HEMBA1005576//TRANSMEMBRANE PROTEIN SEX PRECURSOR//8.5e-58:152:75//HOMO SAPIENS (HUMAN)//P51805  
 F-HEMBA1005577//KERATIN, HIGH-SULFUR MATRIX PROTEIN, B2A//0.98:57:36//OVIS ARIES (SHEEP)//P02438  
 5 F-HEMBA1005581//SLIT PROTEIN PRECURSOR//1.1e-62:254:41//DROSOPHILA MELANOGASTER (FRUIT FLY)//P24014  
 F-HEMBA1005582//DYNACTIN, 150 KD ISOFORM (150 KD DYNEIN-ASSOCIATED POLYPEPTIDE) (DP-150) (DAP-150) (P150-GLUED)//0.0091:189:29//RATTUS NORVEGICUS (RAT)//P28023  
 10 F-HEMBA1005583//HYPOTHETICAL 41.2 KD PROTEIN IN CPS REGION (ORF7)//0.83:119:23//KLEBSIELLA PNEUMONIAE//Q48453  
 F-HEMBA1005588//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!//1.9e-17:108:53//HOMO SAPIENS (HUMAN)//P39188  
 F-HEMBA1005593//SMALL PROLINE-RICH PROTEIN II (SPR-II) (CLONE 174N)//0.23:24:54//HOMO SAPIENS (HUMAN)//P22532  
 15 F-HEMBA1005595//DYNEIN HEAVY CHAIN, CYTOSOLIC (DYHC)//2.7e-39:257:39//DICTYOSTELIUM DISCOIDEUM (SLIME MOLD)//P34036  
 F-HEMBA1005606  
 F-HEMBA1005609//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!//3.2e-20:27:96//HOMO SAPIENS (HUMAN)//P39192  
 20 F-HEMBA1005616//LATE CONTROL GENE B PROTEIN (GPB)//0.48:51:33//BACTERIOPHAGE 186//P08711  
 F-HEMBA1005621//MITOTIC MAD2 PROTEIN//1.2e-06:137:32//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40958  
 F-HEMBA1005627//HYPOTHETICAL 17.1 KD PROTEIN IN PUBS 3'REGION//0.18:100:32//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38898  
 25 F-HEMBA1005631  
 F-HEMBA1005632//HYPOTHETICAL 7.4 KD PROTEIN//0.32:59:32//VACCINIA VIRUS (STRAIN WR)//P04309  
 F-HEMBA1005634//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!//2.6e-14:93:58//HOMO SAPIENS (HUMAN)//P39188  
 30 F-HEMBA1005666//HYPOTHETICAL PROTEIN KIAA0129//2.1e-05:126:25//HOMO SAPIENS (HUMAN)//Q14142  
 F-HEMBA1005670  
 F-HEMBA1005679//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//2.2e-08:40:72//HOMO SAPIENS (HUMAN)//P08547  
 35 F-HEMBA1005680//SMALL PROLINE-RICH PROTEIN 2-1//0.015:19:47//HOMO SAPIENS (HUMAN)//P35326  
 F-HEMBA1005685  
 F-HEMBA1005699//EPHRIN-B3 PRECURSOR (EPH-RELATED RECEPTOR TYROSINE KINASE LIGAND 8) (LERK-8) (EPH-RELATED RECEPTOR TRANSMEMBRANE LIGAND ELK-L3)//4.2e-38:98:81//HOMO SAPIENS (HUMAN)//Q15768  
 40 F-HEMBA1005705//PROTEIN Q300//0.11:23:56//MUS MUSCULUS (MOUSE)//Q02722  
 F-HEMBA1005717  
 F-HEMBA1005732//BACTENECIN 7 PRECURSOR (BAC7)//0.22:55:41//OVIS ARIES (SHEEP)//P50415  
 F-HEMBA1005737//CALCINEURIN B SUBUNIT (PROTEIN PHOSPHATASE 2B REGULATORY SUBUNIT)//4.5e-18:167:34//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P25296  
 45 F-HEMBA1005746  
 F-HEMBA1005755//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//7.4e-30:69:65//HOMO SAPIENS (HUMAN)//P08547  
 F-HEMBA1005765//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!//2.8e-19:60:63//HOMO SAPIENS (HUMAN)//P39194  
 50 F-HEMBA1005780//METALLOTHIONEIN-I (MT-1)//1.0:31:38//COLUMBA LIVIA (DOMESTIC PIGEON)//P15786  
 F-HEMBA1005813  
 F-HEMBA1005815//CALPAIN, LARGE [CATALYTIC] SUBUNIT (EC 3.4.22.17) (CALCIUM- ACTIVATED NEUTRAL PROTEINASE) (CANP) (MU/M-TYPE)//1.0e-23:200:31//GALLUS GALLUS (CHICKEN)//P00789  
 55 F-HEMBA1005822//PROTEIN Q300//0.0016:21:80//MUS MUSCULUS (MOUSE)//Q02722  
 F-HEMBA1005829//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!//9.6e-33:96:73//HOMO SAPIENS (HUMAN)//P39194  
 F-HEMBA1005834//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//1.6e-22:103:46//NYCTICEBUS COU-



CANG (SLOW LORIS)//P08548  
 F-HEMBA1005852//PROLINE-RICH PROTEIN MP-3 (FRAGMENT)//8.8e-06:95:35//MUS MUSCULUS (MOUSE)//P05143  
 F-HEMBA1005853//HYPOTHETICAL PROTEIN  
 5 MJ0647//0.39:28:39//METHANOCOCCUS JANNASCHII//Q58063  
 F-HEMBA1005884  
 F-HEMBA1005891//HYPOTHETICAL PROTEIN MTH137//0.95:51:27//METHANOBACTERIUM THERMOAUTOTROPHICUM//O26240  
 F-HEMBA1005894//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/2.6e-29:81:71//HOMO SAPIENS (HUMAN)//P39195  
 10 F-HEMBA1005909//HYPOTHETICAL 8.2 KD PROTEIN B0353.1 IN CHROMOSOME III//0.98:19:52//CAENORHABDITIS ELEGANS//Q10958  
 F-HEMBA1005911//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/1.9e-27:86:70//HOMO SAPIENS (HUMAN)//P39188  
 15 F-HEMBA1005921//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/1.3e-38:99:81//HOMO SAPIENS (HUMAN)//P39194  
 F-HEMBA1005931//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1)//2.3e-17:76:51//HOMO SAPIENS (HUMAN)//P51522  
 F-HEMBA1005934//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/0.024:54:40//HOMO SAPIENS (HUMAN)//P39189  
 20 F-HEMBA1005962  
 F-HEMBA1005963//COATOMER GAMMA SUBUNIT (GAMMA-COAT PROTEIN) (GAMMA-COP)//1.7e-32:89:79//BOS TAURUS (BOVINE)//P53620  
 F-HEMBA1005990//HYPOTHETICAL BHLF1 PROTEIN//3.0e-09:180:36//EPSTEIN-BARR VIRUS (STRAIN B95-8) (HUMAN HERPESVIRUS 4)//P03181  
 25 F-HEMBA1005991//HYPOTHETICAL PROTEIN KIAA0032//3.0e-17:107:43//HOMO SAPIENS (HUMAN)//Q15034  
 F-HEMBA1005999  
 F-HEMBA1006002  
 30 F-HEMBA1006005//CORNIFIN B (SMALL PROLINE-RICH PROTEIN 1B) (SPR1B) (SPR1 B)//0.0017:45:44//MUS MUSCULUS (MOUSE)//Q62267  
 F-HEMBA1006031//BASIC PROLINE-RICH PEPTIDE IB-1//0.00016:84:39//HOMO SAPIENS (HUMAN)//P04281  
 F-HEMBA1006035//DNAK PROTEIN 1 (HEAT SHOCK PROTEIN 70) (HSP70)//0.43:100:27//SYNECHOCYSTIS SP. (STRAIN PCC 6803)//Q55154  
 35 F-HEMBA1006036//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/6.2e-64:150:74//HOMO SAPIENS (HUMAN)//P39194  
 F-HEMBA1006042  
 F-HEMBA1006067//METALLOTHIONEIN A (MT-A)//0.86:34:41//THERMARCUS CERBERUS//P52721  
 40 F-HEMBA1006081  
 F-HEMBA1006090//SODIUM/GLUCOSE COTRANSPORTER 3 (NA(+)/GLUCOSE COTRANSPORTER 3) (LOW AFFINITY SODIUM-GLUCOSE COTRANSPORTER)//0.87:35:54//SUS SCROFA (PIG)//P31636  
 F-HEMBA1006091//EARLY NODULIN 20 PRECURSOR (N-20)//0.027:87:32//MEDICAGO TRUNCATULA (BARREL MEDIC)//P93329  
 45 F-HEMBA1006100//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/8.1e-09:58:60//HOMO SAPIENS (HUMAN)//P39195  
 F-HEMBA1006108//HYPOTHETICAL 56.6 KD PROTEIN IN URE2-SSU72 INTERGENIC REGION//5.6e-16:88:36//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53867  
 F-HEMBA1006121//HOMEBOX PROTEIN CDX-1 (CAUDAL-TYPE HOMEBOX PROTEIN 1)//3.4e-05:106:37//HOMO SAPIENS (HUMAN)//P47902  
 50 F-HEMBA1006124//50S RIBOSOMAL PROTEIN L33//1.0:12:83//BACILLUS STEAROTHERMOPHILUS//P23375  
 F-HEMBA1006130//SEL-10 PROTEIN//7.7e-05:129:28//CAENORHABDITIS ELEGANS//Q93794  
 F-HEMBA1006138//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/7.8e-13:41:73//HOMO SAPIENS (HUMAN)//P39194  
 55 F-HEMBA1006142//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/2.3e-39:101:77//HOMO SAPIENS (HUMAN)//P39192  
 F-HEMBA1006155//GENE 33 POLYPEPTIDE//0.21:70:31//RATTUS NORVEGICUS (RAT)//P05432

F-HEMBA1006158  
 F-HEMBA1006173//PROTEIN-TYROSINE PHOSPHATASE STRIATUM-ENRICHED (EC 3.1.3.48) (STEP) (NEU-  
 RAL-SPECIFIC PROTEIN-TYROSINE PHOSPHATASE) (FRAGMENT)//0.017:20:95//HOMO SAPIENS (HU-  
 MAN)//P54829  
 5 F-HEMBA1006182//!!!! ALU: SUBFAMILY J WARNING ENTRY !!!!!/0.37:31:61//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-HEMBA1006198//HOMEBOX PROTEIN HOX-B3 (HOX-2.7) (MH-23)//0.85:61:29//MUS MUSCULUS  
 (MOUSE)//P09026  
 F-HEMBA1006235//50S RIBOSOMAL PROTEIN L33//1.0:26:38//AQUIFEX AEOLICUS//O67756  
 10 F-HEMBA1006248//MALE SPECIFIC SPERM PROTEIN MST84DB//0.0041:64:37//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY)//Q01643  
 F-HEMBA1006252//BOWMAN-BIRK TYPE PROTEINASE INHIBITOR DE-3//1.0:22:40//DOLICHOS AXILLARIS  
 (MACROTYLOMA AXILLARE)//P01057  
 F-HEMBA1006253//DISINTEGRIN ERISTICOPHIN (PLATELET AGGREGATION ACTIVATION INHIBITOR)//  
 15 0.95:19:47//ERISTOCOPHIS MACMAHONI (LEAF-NOSED VIPER)//P22826  
 F-HEMBA1006259  
 F-HEMBA1006268//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/7.0e-05:32:65//HOMO SAPIENS (HUMAN)//  
 P39192  
 F-HEMBA1006272//RETROVIRUS-RELATED GAG POLYPROTEIN (VERSION 2)//4.8e-112:248:78//HOMO SA-  
 20 PIENS (HUMAN)//P10264  
 F-HEMBA1006278//POLY(A) POLYMERASE (EC 2.7.7.19) (PAP) (POLYNUCLEOTIDE ADENYLYLTRANS-  
 FERASE) (FRAGMENT)//2.5e-71:164:75//HOMO SAPIENS (HUMAN)//P51003  
 F-HEMBA1006283//50S RIBOSOMAL PROTEIN L32//0.81:27:44//THERMUS AQUATICUS (SUBSP. THER-  
 MOPHILUS)//P80339  
 25 F-HEMBA1006284//CUTICLE COLLAGEN 2//0.36:42:40//CAENORHABDITIS ELEGANS//P17656  
 F-HEMBA1006291//HYPOTHETICAL 43.3 KD PROTEIN IN EVGS-GLK INTERGENIC REGION//2.4e-37:143:  
 31//ESCHERICHIA COLI//P76518  
 F-HEMBA1006293//MYELIN-OLIGODENDROCYTE GLYCOPROTEIN PRECURSOR//0.20:134:29//RATTUS  
 NORVEGICUS (RAT)//Q63345 F-HEMBA1006309//HYPOTHETICAL 54.2 KD PROTEIN IN ERP5-ORC6 INTER-  
 30 GENIC REGION//2.1e-43:187:48//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38821  
 F-HEMBA1006310//SIGNAL TRANSDUCER CD24 PRECURSOR (HEAT STABLE ANTIGEN) (HSA)  
 (NECTADRIN)//0.71:46:39//RATTUS NORVEGICUS (RAT)//Q07490  
 F-HEMBA1006328//RNA POLYMERASE ALPHA SUBUNIT (EC 2.7.7.48) (NUCLEOCAPSID PHOSPHOPRO-  
 TEIN)//0.44:141:24//HUMAN PARAINFLUENZA 1 VIRUS (STRAIN CI-5/73)//P32531  
 35 F-HEMBA1006334//HYPOTHETICAL TRANSCRIPTIONAL REGULATOR AF1627//0.98:26:46//ARCHAE-  
 OGLOBUS FULGIDUS//028646  
 F-HEMBA1006344//EZRIN (P81) (CYTOVILLIN) (VILLIN-2)//8.8e-08:91:36//MUS MUSCULUS (MOUSE)//  
 P26040  
 F-HEMBA1006347//MALES-ABSENT ON THE FIRST PROTEIN (EC 2.3.1.-)//9.1e-48:149:50//DROSOPHILA  
 40 MELANOGASTER (FRUIT FLY)//O2193  
 F-HEMBA1006349//METALLOTHIONEIN-LIKE PROTEIN 1//0.015:59:33//CASUARINA GLAUCA (SWAMP  
 OAK)//Q39511  
 F-HEMBA1006359//ZINC FINGER PROTEIN 43 (ZINC PROTEIN HTF6)//6.8e-96:261:66//HOMO SAPIENS (HU-  
 MAN)//P28160  
 45 F-HEMBA1006364//PUTATIVE ENDONUCLEASE C1F12.06C (EC 3.1.-)//0.97:60:35//SCHIZOSACCHARO-  
 MYCES POMBE (FISSION YEAST)//Q10348  
 F-HEMBA1006377//EARLY NODULIN 20 PRECURSOR (N-20)//0.00023:110:35//MEDICAGO TRUNCATULA  
 (BARREL MEDIC)//P93329  
 F-HEMBA1006380  
 50 F-HEMBA1006381//METALLOTHIONEIN-II//1.0:26:38//CANDIDA GLABRATA (YEAST) (TORULOPSIS GLA-  
 BRATA)//P15114  
 F-HEMBA1006398//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//3.3e-26:123:52//HOMO SAPIENS (HU-  
 MAN)//P08547  
 F-HEMBA1006416  
 55 F-HEMBA1006419//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/1.2e-24:102:50//HOMO SAPIENS (HU-  
 MAN)//P39189  
 F-HEMBA1006421//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/3.1e-21:101:57//HOMO SAPIENS (HUMAN)//  
 P39188

# EP 1 074 617 A2

F-HEMBA1006424//HYPOTHETICAL PROTEIN IORF1.//0.85:55:30//BOVINE CORONAVIRUS (STRAIN ME-BUS), AND BOVINE CORONAVIRUS (STRAIN QUEBEC).//P22053  
F-HEMBA1006426//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/1.8e-36:78:74//HOMO SAPIENS (HUMAN).//P39195  
5 F-HEMBA1006438//HYPOTHETICAL 8.1 KD PROTEIN (ORF65).//1.0:38:36//GUILLARDIA THETA (CRYPTO-MONAS PHI).//O78421  
F-HEMBA1006445//RAS-LIKE PROTEIN 3.//1.9e-06:40:47//RHIZOMUCOR RACEMOSUS (MUCOR CIRCINEL-LOIDES F. LUSITANICUS).//P22280  
F-HEMBA1006446  
10 F-HEMBA1006461//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/4.1e-18:68:67//HOMO SAPIENS (HUMAN).//P39192  
F-HEMBA1006467  
F-HEMBA1006471  
F-HEMBA1006474//40 KD PROTEIN.//1.1e-37:231:38//BORNA DISEASE VIRUS (BDV).//Q01552  
15 F-HEMBA1006483//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/6.1e-38:77:74//HOMO SAPIENS (HUMAN).//P39192  
F-HEMBA1006485//HYPOTHETICAL 9.3 KD PROTEIN IN NAD3-NAD7 INTERGENIC REGION (ORF 79).//0.91:30:40//MARCHANTIA POLYMORPHA (LIVERWORT).//P38465  
F-HEMBA1006486//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG.//1.1e-12:78:51//HOMO SAPIENS (HU-MAN).//P08547  
20 F-HEMBA1006489//FUN34 PROTEIN.//0.94:58:37//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P32907  
F-HEMBA1006492//NADH-UBIQUINONE OXIDOREDUCTASE MWFE SUBUNIT (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I-MWFE) (CI-MWFE).//0.87:44:36//HOMO SAPIENS (HUMAN).//O15239  
25 F-HEMBA1006494//FERREDOXIN-LIKE PROTEIN IN NIF REGION.//0.11:46:26//RHIZOBIUM LEGUMINOSA-RUM (BIOVAR TRIFOLII).//P42711  
F-HEMBA1006497  
F-HEMBA1006502//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/0.15:26:73//HOMO SAPIENS (HUMAN).//P39188  
30 F-HEMBA1006507//DIAPHANOUS PROTEIN.//0.0055:129:28//DROSOPHILA MELANOGASTER (FRUIT FLY).//P48608  
F-HEMBA1006521//3-OXOACYL-[ACYL-CARRIER PROTEIN] REDUCTASE (EC 1.1.1.100) (3-KETOACYL-ACYL CARRIER PROTEIN REDUCTASE).//1.1e-32:177:41//ESCHERICHIA COLI.//P25716  
F-HEMBA1006530//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 5 (EC 1.6.5.3) (FRAGMENT).//0.052:84:26//LEISHMANIA TARENTOLAE (SAUROLEISHMANIA TARENTOLAE).//P15583  
35 F-HEMBA1006535//INHIBITOR OF APOPTOSIS PROTEIN 1 (MIAP1) (MIAP-1).//6.6e-05:53:39//MUS MUSCU-LUS (MOUSE).//O08863  
F-HEMBA1006540//PRESYNAPTIC PROTEIN SAP97 (SYNAPSE-ASSOCIATED PROTEIN 97) (DISCS, LARGE HOMOLOG 1).//2.1e-07:206:23//RATTUS NORVEGICUS (RAT).//Q62696  
40 F-HEMBA1006546//PROBABLE E5 PROTEIN.//0.11:70:32//HUMAN PAPILLOMAVIRUS TYPE 51.//P26553  
F-HEMBA1006559//SUPPRESSOR PROTEIN SRP40.//0.015:221:20//SACCHAROMYCES CEREVISIAE (BAK-ER'S YEAST).//P32583  
F-HEMBA1006562//SALIVARY PROLINE-RICH PROTEIN PO PRECURSOR (ALLELE S).//1.5e-07:122:33//HO-MO SAPIENS (HUMAN).//P10163  
45 F-HEMBA1006566//CELL DIVISION PROTEIN KINASE 2 (EC 2.7.1.-) (CDC2 HOMOLOG EG1 PROTEIN KI-NASE).//0.63:53:37//XENOPUS LAEVIS (AFRICAN CLAWED FROG).//P23437  
F-HEMBA1006569//COLLAGEN ALPHA 2(I) CHAIN (FRAGMENT).//4.4e-06:88:39//BOS TAURUS (BOVINE).//P02465  
F-HEMBA1006579  
50 F-HEMBA1006583//PROLINE-RICH PROTEIN MP-2 PRECURSOR.//0.011:61:40//MUS MUSCULUS (MOUSE).//P05142  
F-HEMBA1006595//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/5.6e-34:93:77//HOMO SAPIENS (HU-MAN).//P39194  
F-HEMBA1006597//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/1.9e-26:75:74//HOMO SAPIENS (HUMAN).//P39195  
55 F-HEMBA1006612//SUPPRESSOR PROTEIN SRP40.//0.026:221:22//SACCHAROMYCES CEREVISIAE (BAK-ER'S YEAST).//P32583  
F-HEMBA1006617//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/6.6e-20:73:63//HOMO SAPIENS (HUMAN).//

P39188  
 F-HEMBA1006624//HYPOTHETICAL 41.9 KD PROTEIN IN SDS3-THS1 INTERGENIC REGION//2.6e-31:209:44//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40506  
 F-HEMBA1006631//HYPOTHETICAL 62.8 KD PROTEIN IN TAF145-YOR1 INTERGENIC REGION//1.5e-15:131:41//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53331  
 5 F-HEMBA1006635  
 F-HEMBA1006639//POLYADENYLATE-BINDING PROTEIN 1 (POLY(A) BINDING PROTEIN 1) (PABP 1)//2.2e-11:48:75//MUS MUSCULUS (MOUSE)//P29341  
 F-HEMBA1006643//LONG NEUROTOXIN CR1 PRECURSOR (KAPPA NEUROTOXIN)//0.28:48:27//BUNGARUS MULTICINCTUS (MANY-BANDED KRAIT)//P15817  
 10 F-HEMBA1006648//ZINC FINGER PROTEIN 12 (ZINC FINGER PROTEIN KOX3) (FRAGMENT)//0.26:17:47//HOMO SAPIENS (HUMAN)//P17014  
 F-HEMBA1006652//60S RIBOSOMAL PROTEIN L7//2.4e-44:206:47//MUS MUSCULUS (MOUSE)//P14148  
 F-HEMBA1006653  
 15 F-HEMBA1006659  
 F-HEMBA1006665//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//0.018:43:58//HOMO SAPIENS (HUMAN)//P08547  
 F-HEMBA1006674//TRANSCRIPTION INITIATION FACTOR TFIID 135 KD SUBUNIT (TAFII-135) (TAFII135) (TAFII-130) (TAFII130)//2.9e-05:154:33//HOMO SAPIENS (HUMAN)//O00268  
 20 F-HEMBA1006676//HYPOTHETICAL PROLINE-RICH PROTEIN (FRAGMENT)//3.6e-09:52:51//OWENIA FUSIFORMIS//P21260  
 F-HEMBA1006682  
 F-HEMBA1006695//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!//2.1e-06:35:65//HOMO SAPIENS (HUMAN)//P39188  
 25 F-HEMBA1006696  
 F-HEMBA1006708//HYPOTHETICAL 46.4 KD TRP-ASP REPEATS CONTAINING PROTEIN IN PMC1-TFG2 INTERGENIC REGION//3.4e-19:104:45//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53196  
 F-HEMBA1006709//RETINOIC ACID RECEPTOR RXR-BETA//0.24:111:36//HOMO SAPIENS (HUMAN)//P28702  
 30 F-HEMBA1006717  
 F-HEMBA1006737//ANKYRIN, BRAIN VARIANT 2 (ANKYRIN B) (ANKYRIN, NONERYTHROID) (FRAGMENT)//5.8e-09:111:40//HOMO SAPIENS (HUMAN)//Q01485  
 F-HEMBA1006744//!!!! ALU SUBFAMILY SB2 WARNING ENTRY !!!!!//1.8e-32:84:78//HOMO SAPIENS (HUMAN)//P39191  
 35 F-HEMBA1006754//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//1.3e-75:220:62//HOMO SAPIENS (HUMAN)//P08547  
 F-HEMBA1006758//VASCULAR ENDOTHELIAL-CADHERIN PRECURSOR (VECADHERIN) (CADHERIN-5) (7B4 ANTIGEN) (CD144 ANTIGEN)//0.024:110:29//HOMO SAPIENS (HUMAN)//P33151  
 F-HEMBA1006767  
 40 F-HEMBA1006779//MITOCHONDRIAL RIBOSOMAL PROTEIN S12//0.67:19:42//LEISHMANIA TARENTOLAE (SAUROLEISHMANIA TARENTOLAE)//Q34940  
 F-HEMBA1006780  
 F-HEMBA1006789//PROLINE-RICH PROTEIN MP-3 (FRAGMENT)//0.056:98:30//MUS MUSCULUS (MOUSE)//P05143  
 45 F-HEMBA1006795//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//2.9e-11:143:30//NYCTICEBUS COUCANG (SLOW LORIS)//P08548  
 F-HEMBA1006796//WISKOTT-ALDRICH SYNDROME PROTEIN HOMOLOG (WASP)//0.16:38:42//MUS MUSCULUS (MOUSE)//P70315  
 F-HEMBA1006807//HYPOTHETICAL 46.4 KD PROTEIN T16H12.5 IN CHROMOSOME III//4.4e-75:184:77//CAENORHABDITIS ELEGANS//P34568  
 50 F-HEMBA1006821//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!//0.011:20:85//HOMO SAPIENS (HUMAN)//P39194  
 F-HEMBA1006824//PROTEIN B11//0.44:27:44//VACCINIA VIRUS (STRAIN WR)//Q01229  
 F-HEMBA1006832//HYPOTHETICAL 34.6 KD PROTEIN C13G5.2 IN CHROMOSOME III//1.0:46:36//CAENORHABDITIS ELEGANS//P34327  
 55 F-HEMBA1006849  
 F-HEMBA1006865//ACROSIN INHIBITORS IIA AND IIB (BUSI-II)//1.0:41:31//BOS TAURUS (BOVINE)//P01001  
 F-HEMBA1006877//OXYSTEROL-BINDING PROTEIN//3.7e-26:239:36//ORYCTOLAGUS CUNICULUS (RAB-

BIT)//P16258  
 F-HEMBA1006885//HYPOTHETICAL 27.2 KD PROTEIN F09E5.8 IN CHROMOSOME II.//4.5e-38:185:43//  
 CAENORHABDITIS ELEGANS//P52057  
 F-HEMBA1006900  
 5 F-HEMBA1006914//UBIQUITIN-ACTIVATING ENZYME E1-LIKE (POLYMERASE-INTERACTING PROTEIN 2).//  
 5.2e-27:269:33//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P52488  
 F-HEMBA1006921//CYTOTOXIN 3 (COMPONENT 3:20).//0.99:32:37//NAJA MELANOLEUCA (FOREST CO-  
 BRA) (BLACK-LIPPED COBRA).//P01473  
 F-HEMBA1006926//ATROPHIN-1 (DENTATORUBRAL-PALLIDOLUYSIAN ATROPHY PROTEIN).//0.0024:148:  
 10 33//RATTUS NORVEGICUS (RAT).//P54258  
 F-HEMBA1006929//HYPOTHETICAL PROTEIN MJ0525.//0.95:35:20//METHANOCOCCUS JANNASCHII.//  
 Q57945  
 F-HEMBA1006936//SALIVARY ACIDIC PROLINE-RICH PHOSPHOPROTEIN 1/2 PRECURSOR (PRP-1 / PRP-  
 3) (PRP-2/PRP-4) (PIF-F / PIF-S) (PROTEIN A / PROTEIN C)[CONTAINS: PEPTIDE P-C].//0.074:116:31//HOMO  
 15 SAPIENS (HUMAN).//P02810  
 F-HEMBA1006938  
 F-HEMBA1006941//THIOREDOXIN H-TYPE 1 (TRX-H1).//2.1e-13:90:33//NICOTIANA TABACUM (COMMON  
 TOBACCO).//P29449  
 F-HEMBA1006949  
 20 F-HEMBA1006973//COLLAGEN ALPHA 1(XII) CHAIN (FRAGMENTS).//0.75:29:55//BOS TAURUS (BOVINE).//  
 P25508  
 F-HEMBA1006976//CMP-N-ACETYLNEURAMINATE-BETA-GALACTOSAMIDE-ALPHA-2,3-SIALYLTRANS-  
 FERASE (EC 2.4.99.-) (BETA-GALACTOSIDE ALPHA-2,3-SIALYLTRANSFERASE) (ST3GALIII) (ALPHA 2,3-ST)  
 (GAL-NAC6S) (STZ) (SIAT4-C) (SAT-3) (ST-4).//3.9e-108:117:95//HOMO SAPIENS (HUMAN).//Q11206  
 25 F-HEMBA1006993  
 F-HEMBA1006996//HYPOTHETICAL 8.7 KD PROTEIN IN RPL22-RPL23 INTERGENIC REGION (ORF70).//  
 0.12:51:33//ASTASIA LONGA (EUGLENOPHYCEAN ALGA).//P34779  
 F-HEMBA1007002//PLATELET GLYCOPROTEIN IX PRECURSOR (GPIX) (CD42A).//0.00096:60:33//HOMO SA-  
 PIENS (HUMAN).//P14770  
 30 F-HEMBA1007017//HYPOTHETICAL 7.2 KD PROTEIN IN CYAY-DAPF INTERGENIC REGION.//1.0:25:56//ES-  
 CHERICHIA COLI.//P39166  
 F-HEMBA1007018//DYNEIN LIGHT INTERMEDIATE CHAIN 1, CYTOSOLIC (LIC57/59) (DYNEIN LIGHT CHAIN  
 A) (DLC-A).//8.5e-120:278:80//GALLUS GALLUS (CHICKEN).//Q90828  
 F-HEMBA1007045//SKIN SECRETORY PROTEIN XP2 PRECURSOR (APEG PROTEIN).//2.1e-12:158:29//  
 35 XENOPUS LAEVIS (AFRICAN CLAWED FROG).//P17437  
 F-HEMBA1007051  
 F-HEMBA1007052//60S RIBOSOMAL PROTEIN L37-B (L35) (YP55).//0.94:37:35//SACCHAROMYCES CERE-  
 VISIAE (BAKER'S YEAST).//P51402  
 F-HEMBA1007062//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L).//0.93:55:29//RHINOCEROS UNICORNIS  
 40 (GREATER INDIAN RHINOCEROS).//Q96063  
 F-HEMBA1007066//ECLOSION HORMONE PRECURSOR (ECDYSIS ACTIVATOR) (EH).//0.58:49:38//BOM-  
 BYX MORI (SILK MOTH).//P25331  
 F-HEMBA1007073//PUTATIVE SMALL MEMBRANE PROTEIN (ORF 4).//0.86:46:34//CANINE ENTERIC  
 CORONAVIRUS (STRAIN INSAVC-1) (CCV).//P36696  
 45 F-HEMBA1007078//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!//8.6e-29:56:67//HOMO SAPIENS (HUMAN).//  
 P39193  
 F-HEMBA1007080//SKIN SECRETORY PROTEIN XP2 PRECURSOR (APEG PROTEIN).//0.028:122:30//XENO-  
 PUS LAEVIS (AFRICAN CLAWED FROG).//P17437  
 F-HEMBA1007085//RTOA PROTEIN (RATIO-A).//7.4e-11:221:31//DICTYOSTELIUM DISCOIDEUM (SLIME  
 50 MOLD).//P54681  
 F-HEMBA1007087//HYPOTHETICAL PROTEIN MJ0162.//3.3e-29:173:36//METHANOCOCCUS JANNASCHII.//  
 Q57626  
 F-HEMBA1007112  
 F-HEMBA1007113  
 55 F-HEMBA1007121//INOSITOL POLYPHOSPHATE 1-PHOSPHATASE (EC 3.1.3.57) (IPP).//5.4e-07:90:28//HO-  
 MO SAPIENS (HUMAN).//P49441  
 F-HEMBA1007129//HIRUSTASIN.//0.88:37:32//HIRUDO MEDICINALIS (MEDICINAL LEECH) //P80302  
 F-HEMBA1007147//HYPOTHETICAL 12.0 KD PROTEIN IN DST1-HEM2 INTERGENIC REGION.//0.92:23:34//

# EP 1 074 617 A2

SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53182  
F-HEMBA1007149//BACTERIOCIN MICROCIN B17 PRECURSOR (MCB17)//0.0078:17:70//ESCHERICHIA COLI//P05834  
F-HEMBA1007151//WDNM1 PROTEIN PRECURSOR//0.25:45:37//MUS MUSCULUS (MOUSE)//Q62477  
5 F-HEMBA1007174//HYPOTHETICAL 45.1 KD PROTEIN IN RPS5-ZMS1 INTERGENIC REGION//6.9e-18:97:47//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P47160  
F-HEMBA1007178//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!/9.8e-06:38:65//HOMO SAPIENS (HUMAN)//P39195  
F-HEMBA1007194//GLUCOSE-6-PHOSPHATE 1-DEHYDROGENASE, CHOLOROPLAST ISOFORM PRECURSOR (EC 1.1.1.49) (G6PD)//1.0:80:32//NICOTIANA TABACUM (COMMON TOBACCO)//Q43793  
10 F-HEMBA1007203//PROTEIN A22//1.0:115:26//VARIOLA VIRUS//P33845  
F-HEMBA1007206  
F-HEMBA1007224//HYPOTHETICAL 35.7 KD PROTEIN C41C4.6 IN CHROMOSOME II//2.4e-05:92:30//CAENORHABDITIS ELEGANS//Q09275  
15 F-HEMBA1007243//HYPOXANTHINE-GUANINE PHOSPHORIBOSYLTRANSFERASE (EC 2.4.2.8) (HGPRT) (HGPRTASE) (HPRT B)//3.1e-74:205:67//MUS MUSCULUS (MOUSE)//P00493  
F-HEMBA1007251//VITELLINE MEMBRANE PROTEIN VM26AB PRECURSOR (PROTEIN TU-4) (PROTEIN SV23)//0.52:108:30//DROSOPHILA MELANOGASTER (FRUIT FLY)//P13238  
F-HEMBA1007256  
20 F-HEMBA1007267//CALICIN (FRAGMENT)//0.060:88:31//HOMO SAPIENS (HUMAN)//Q13939  
F-HEMBA1007273//HYPOTHETICAL 8.1 KD PROTEIN (ORF65)//0.95:40:37//GUILLARDIA THETA (CRYPTOMONAS PHI)//O78421  
F-HEMBA1007279//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!/4.6e-24:98:64//HOMO SAPIENS (HUMAN)//P39188  
25 F-HEMBA1007281  
F-HEMBA1007288//HYPOTHETICAL 13.5 KD PROTEIN IN ZMS1-MNS1 INTERGENIC REGION//0.88:11:54//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P47162  
F-HEMBA1007300//CGMP-SPECIFIC 3',5'-CYCLIC PHOSPHODIESTERASE (EC 3.1.4.17) (CGB-PDE)//2.7e-43:220:41//BOS TAURUS (BOVINE)//Q28156  
30 F-HEMBA1007301//PROCOLLAGEN ALPHA 1(III) CHAIN PRECURSOR//3.3e-22:115:33//HOMO SAPIENS (HUMAN)//P02461  
F-HEMBA1007319  
F-HEMBA1007320//HYPOTHETICAL 28.0 KD PROTEIN IN GLOB-RNHA INTERGENIC REGION//1.0:48:37//ESCHERICHIA COLI//P75672  
35 F-HEMBA1007322//THREONINE DEHYDRATASE OPERON ACTIVATOR PROTEIN//1.0:59:33//ESCHERICHIA COLI//P11866  
F-HEMBA1007327  
F-HEMBA1007341//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!/9.1e-12:37:62//HOMO SAPIENS (HUMAN)//P39188  
40 F-HEMBA1007342//PROBABLE E5 PROTEIN//0.89:96:29//PYGMY CHIMPANZEE PAPILLOMAVIRUS TYPE 1//Q02268  
F-HEMBA1007347//INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN 2 PRECURSOR (IGFBP-2) (IBP-2) (IGF-BINDING PROTEIN 2)//0.92:62:43//OVIS ARIES (SHEEP)//Q29400  
F-HEMBA1000005//WEAK NEUROTOXIN 5//0.98:30:33//NAJA NAJA (INDIAN COBRA)//P29179  
45 F-HEMBA1000008//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!/2.7e-35:73:84//HOMO SAPIENS (HUMAN)//P39195  
F-HEMBA1000018//HYPOTHETICAL BHLF1 PROTEIN//0.39:90:37//EPSTEIN-BARR VIRUS (STRAIN B95-8) (HUMAN HERPESVIRUS 4)//P03181  
F-HEMBA1000024//VIRE LOCUS 9 KD VIRULENCE PROTEIN//0.66:36:41//AGROBACTERIUM TUMEFACIENS//P08061  
50 F-HEMBA1000025//MUSCARINIC TOXIN ALPHA (MT-ALPHA)//0.46:32:40//DENDROASPIS POLYLEPIS POLYLEPIS (BLACK MAMBA)//P80494  
F-HEMBA1000030//SUPPRESSOR PROTEIN SRP40//6.7e-07:50:52//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P32583  
55 F-HEMBA1000036//HYPOTHETICAL 43.2 KD PROTEIN C34E10.1 IN CHROMOSOME III//2.5e-07:120:29//CAENORHABDITIS ELEGANS//P46576  
F-HEMBA1000037//HYPOTHETICAL 59.9 KD PROTEIN-IN SGA1-KTR7 INTERGENIC REGION//1.7e-05:71:29//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40492

# EP 1 074 617 A2

F-HEMBB1000039//VERY HYPOTHETICAL 11.9 KD PROTEIN C4H3.12C IN CHROMOSOME I//1.0:61:21//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q10219  
F-HEMBB1000044  
F-HEMBB1000048//HYPOTHETICAL 15.7 KD PROTEIN IN IDH-DEOR INTERGENIC REGION//1.0:63:31//BACILLUS SUBTILIS//P54942  
5 F-HEMBB1000050//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/9.0e-14:34:79//HOMO SAPIENS (HUMAN)//P39194  
F-HEMBB1000054//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/5.9e-31:45:73//HOMO SAPIENS (HUMAN)//P39193  
10 F-HEMBB1000055//MUSCARINIC TOXIN ALPHA (MT-ALPHA)//1.0:14:57//DENDROASPIS POLYLEPIS POLYLEPIS (BLACK MAMBA)//P80494  
F-HEMBB1000059//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/1.0e-21:82:59//HOMO SAPIENS (HUMAN)//P39195  
F-HEMBB1000083//CHROMOGRANIN A PRECURSOR (CGA) [CONTAINS: PANCREASTATIN; BETA-GRANIN; WE-14]//0.87:172:28//RATTUS NORVEGICUS (RAT)//P10354  
15 F-HEMBB1000089//HYPOTHETICAL 9.5 KD PROTEIN IN SPEA-METK INTERGENIC REGION (F83)//1.0:42:33//ESCHERICHIA COLI//P46879  
F-HEMBB1000099//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/7.7e-08:31:87//HOMO SAPIENS (HUMAN)//P39189  
20 F-HEMBB1000103//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//1.4e-38:136:58//HOMO SAPIENS (HUMAN)//P08547  
F-HEMBB1000113//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/3.9e-13:57:64//HOMO SAPIENS (HUMAN)//P39188  
F-HEMBB1000119//MAF PROTEIN//3.6e-32:195:43//BACILLUS SUBTILIS//Q02169  
25 F-HEMBB1000136//HYPOTHETICAL 12.7 KD PROTEIN IN PCS60-ABD1 INTERGENIC REGION//0.65:71:32//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38327  
F-HEMBB1000141//B-CELL GROWTH FACTOR PRECURSOR (BCGF-12 KD)//0.00014:34:64//HOMO SAPIENS (HUMAN)//P20931  
F-HEMBB1000144//!!!! ALU SUBFAMILY SB2 WARNING ENTRY !!!!!/2.0e-26:81:69//HOMO SAPIENS (HUMAN)//P39191  
30 F-HEMBB1000173//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/9.2e-29:91:71//HOMO SAPIENS (HUMAN)//P39188  
F-HEMBB1000175//ANTIMICROBIAL PEPTIDE ENAP-1 (FRAGMENT)//0.97:41:36//EQUUS CABALLUS (HORSE)//P80930  
35 F-HEMBB1000198//HYPOTHETICAL 7.7 KD PROTEIN YCF33 (ORF67)//0.91:21:52//PORPHYRA PURPUREA//P51329  
F-HEMBB1000215//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/3.4e-08:39:76//HOMO SAPIENS (HUMAN)//P39192  
F-HEMBB1000217//DNA DAMAGE TOLERANCE PROTEIN RHC31 (RAD31 HOMOLOG)//2.9e-32:174:40//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//Q06624  
40 F-HEMBB1000218//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//0.73:31:38//MICROTUS PENNSYLVANICUS (MEADOW VOLE)//P24949  
F-HEMBB1000226//HYPOTHETICAL 37.0 KD PROTEIN B0495.8 IN CHROMOSOME II//6.5e-26:191:34//CAENORHABDITIS ELEGANS//Q09217  
45 F-HEMBB1000240  
F-HEMBB1000244//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/1.9e-05:44:61//HOMO SAPIENS (HUMAN)//P39188  
F-HEMBB1000250  
F-HEMBB1000258  
50 F-HEMBB1000264//CUTICLE COLLAGEN SQT-1//0.15:89:33//CAENORHABDITIS ELEGANS//P12114  
F-HEMBB1000266//TRANSLATION INITIATION FACTOR IF-2//2.7e-06:167:22//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P39730  
F-HEMBB1000272//CYTOCHROME C OXIDASE POLYPEPTIDE VIB (EC 1.9.3.1) (AED)//0.75:30:43//BOS TAURUS (BOVINE)//P00429  
55 F-HEMBB1000274//CORNIFIN (SMALL PROLINE-RICH PROTEIN I) (SPR-I) (SMALL PROLINE-RICH SQUAMOUS CELL MARKER) (SPRP)//1.0:38:36//SUS SCROFA (PIG)//P35323  
F-HEMBB1000284//CALTRIN (CALCIUM TRANSPORT INHIBITOR)//1.0:56:30//MUS MUSCULUS (MOUSE)//Q09098

F-HEMBB1000307  
 F-HEMBB1000312  
 F-HEMBB1000317//THROMBOSPONDIN 1 PRECURSOR//3.2e-32:135:43//HOMO SAPIENS (HUMAN)//  
 P07996  
 5 F-HEMBB1000318//PUTATIVE SMALL MEMBRANE PROTEIN (NONSTRUCTURAL PROTEIN NS3) (NON-  
 STRUCTURAL 9.5 KD PROTEIN)//0.41:51:31//HUMAN CORONAVIRUS (STRAIN OC43)//Q04854  
 F-HEMBB1000335//ZINC FINGER PROTEIN 13 (ZFP-13) (KROX-8 PROTEIN) (FRAGMENT)//0.82:33:45//MUS  
 MUSCULUS (MOUSE)//P10754  
 10 F-HEMBB1000336//ALDEHYDE OXIDASE (EC 1.2.3.1) (FRAGMENTS)//0.80:44:40//ORYZOLAGUS CUNIC-  
 ULUS (RABBIT)//P80456  
 F-HEMBB1000337//SPLICING FACTOR, ARGININE/SERINE-RICH 4 (PRE-MRNA SPLICING FACTOR  
 SRP75)//0.94:118:22//HOMO SAPIENS (HUMAN)//Q08170  
 F-HEMBB1000338//MALE SPECIFIC SPERM PROTEIN MST84DA//0.042:33:39//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY)//Q01642  
 15 F-HEMBB1000339//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/2.2e-14:54:55//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-HEMBB1000341//GENE 74 PROTEIN (GP74)//1.0:39:33//MYCOBACTERIOPHAGE L5//Q05289  
 F-HEMBB1000343  
 F-HEMBB1000354//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/1.1e-15:83:56//HOMO SAPIENS (HUMAN)//  
 20 P39188  
 F-HEMBB1000369//PROTEIN Q300//0.99:27:40//MUS MUSCULUS (MOUSE)//Q02722  
 F-HEMBB1000374//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/4.7e-34:56:78//HOMO SAPIENS (HUMAN)//  
 P39189  
 F-HEMBB1000376  
 25 F-HEMBB1000391//COLLAGEN ALPHA 1(XII) CHAIN (FRAGMENTS)//0.0013:79:35//BOS TAURUS (BO-  
 VINE)//P25508  
 F-HEMBB1000399//CHECKPOINT PROTEIN RAD17//2.8e-15:187:31//SCHIZOSACCHAROMYCES POMBE  
 (FISSION YEAST)//P50531  
 F-HEMBB1000402//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 5 (EC 1.6.5.3) (FRAGMENT)//0.027:60:  
 30 38//LEISHMANIA TARENTOLAE (SAUROLEISHMANIA TARENTOLAE)//P15583  
 F-HEMBB1000404//CYANELLE 50S RIBOSOMAL PROTEIN L28//0.94:29:27//CYANOPHORA PARADOXA//  
 P48129  
 F-HEMBB1000420//SPLICEOSOME ASSOCIATED PROTEIN 49 (SAP 49) (SF3B53)//0.023:97:35//HOMO SA-  
 PIENS (HUMAN)//Q15427  
 35 F-HEMBB1000434//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/4.8e-20:111:54//HOMO SAPIENS (HU-  
 MAN)//P39194  
 F-HEMBB1000438//HYPOTHETICAL 7.9 KD PROTEIN IN GP55-NRDG INTERGENIC REGION//0.93:24:50//  
 BACTERIOPHAGE T4//P07076  
 F-HEMBB1000441//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/4.4e-23:85:70//HOMO SAPIENS (HUMAN)//  
 40 P39188  
 F-HEMBB1000449//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/0.88:27:51//HOMO SAPIENS (HUMAN)//  
 P39195  
 F-HEMBB1000455  
 F-HEMBB1000472  
 45 F-HEMBB1000480//PROTEIN STBC//1.0:52:30//ESCHERICHIA COLI//P11905  
 F-HEMBB1000487//SHORT NEUROTOXIN 1 (NEUROTOXIN ALPHA) (NEUROTOXIN II)//0.93:29:34//NAJA  
 OXIANA (CENTRAL ASIAN COBRA) (OXUS COBRA)//P01427  
 F-HEMBB1000490//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/2.3e-16:50:80//HOMO SAPIENS (HUMAN)//  
 P39195  
 50 F-HEMBB1000491  
 F-HEMBB1000493//3A PROTEIN//1.0:51:35//AVIAN INFECTIOUS BRONCHITIS VIRUS (STRAIN BEAU-  
 DETTE) (IBV)//P30237  
 F-HEMBB1000510//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//9.7e-27:132:45//HOMO SAPIENS (HU-  
 MAN)//P08547  
 55 F-HEMBB1000518//CYTOCHROME C OXIDASE POLYPEPTIDE III (EC 1.9.3.1)//0.021:47:40//LEISHMANIA  
 TARENTOLAE (SAUROLEISHMANIA TARENTOLAE)//P14546  
 F-HEMBB1000523  
 F-HEMBB1000530//COLLAGEN ALPHA 1(XIV) CHAIN PRECURSOR (UNDULIN)//9.8e-14:43:83//GALLUS



GALLUS (CHICKEN)//P32018  
 F-HEMBB1000550//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 5 (EC 1.6.5.3)//0.19:97:30//TRYPA-  
 SOMA BRUCEI BRUCEI//P04540  
 5 F-HEMBB1000554//MATERNAL B9.10 PROTEIN (P30 B9.10)//0.94:82:25//XENOPUS LAEVIS (AFRICAN  
 CLAWED FROG)//P40744  
 F-HEMBB1000556//TRANSCRIPTION INITIATION FACTOR TFIID 135 KD SUBUNIT (TAFII-135) (TAFII135)  
 (TAFII-130) (TAFII130)//0.043:201:29//HOMO SAPIENS (HUMAN)//000268  
 F-HEMBB1000564//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//1.0:5:2:34//METRIDIVM SENILE  
 (BROWN SEA ANEMONE) (FRILLED SEA ANEMONE)//O47493  
 10 F-HEMBB1000573//!!!! ALU SUBFAMILY SB2 WARNING ENTRY !!!!!/2.3e-10:52:73//HOMO SAPIENS (HU-  
 MAN)//P39191  
 F-HEMBB1000575//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/1.8e-26:76:76//HOMO SAPIENS (HUMAN)//  
 P39192  
 F-HEMBB1000586//NADH-UBIQUINONE OXIDOREDUCTASE MLRQ SUBUNIT (EC 1.6.5.3) (EC 1.6.99.3)  
 15 (COMPLEX I-MLRQ) (CI-MLRQ)//0.74:23:52//HOMO SAPIENS (HUMAN)//O00483  
 F-HEMBB1000589//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/2.9e-25:61:75//HOMO SAPIENS (HUMAN)//  
 P39193  
 F-HEMBB1000591//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//1.0:34:35//PETROMYZON MARINUS  
 (SEA LAMPREY)//Q35537  
 20 F-HEMBB1000592//SMALL PROLINE-RICH PROTEIN 2-1//0.0016:49:42//HOMO SAPIENS (HUMAN)//P35326  
 F-HEMBB1000593//COLLAGEN ALPHA 1(III) CHAIN (FRAGMENTS)//0.0070:189:32//GALLUS GALLUS  
 (CHICKEN)//P12105  
 F-HEMBB1000598//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//5.7e-10:110:41//NYCTICEBUS COU-  
 CANG (SLOW LORIS)//P08548  
 25 F-HEMBB1000623//HYPOTHETICAL 54.9 KD PROTEIN C02F5.7 IN CHROMOSOME III//0.0022:98:28//  
 CAENORHABDITIS ELEGANS//P34284  
 F-HEMBB1000630  
 F-HEMBB1000631//ALPHA-2C-1 ADRENERGIC RECEPTOR (ALPHA-2C-1 ADRENOCEPTOR) (SUBTYPE  
 C4)//8.8e-06:59:40//HOMO SAPIENS (HUMAN)//P18825  
 30 F-HEMBB1000632//GUANINE NUCLEOTIDE RELEASING PROTEIN (GNRP)//7.3e-13:173:28//MUS MUSCU-  
 LUS (MOUSE)//P27671  
 F-HEMBB1000637//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/4.6e-41:94:82//HOMO SAPIENS (HUMAN)//  
 P39193  
 F-HEMBB1000638//INVOLUCRIN//1.9e-06:144:29//HOMO SAPIENS (HUMAN)//P07476  
 35 F-HEMBB1000643//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/8.3e-30:77:76//HOMO SAPIENS (HUMAN)//  
 P39195  
 F-HEMBB1000649//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/2.5e-37:58:81//HOMO SAPIENS (HUMAN)//  
 P39189  
 F-HEMBB1000652//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/2.2e-37:61:77//HOMO SAPIENS (HUMAN)//  
 40 P39193  
 F-HEMBB1000665//HYPOTHETICAL PROTEIN BBD24//0.83:38:36//BORRELIA BURGDORFERI (LYME DIS-  
 EASE SPIROCHETE)//P70845  
 F-HEMBB1000671//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//6.8e-51:74:71//HOMO SAPIENS (HU-  
 MAN)//P08547  
 45 F-HEMBB1000673//HEAT-STABLE ENTEROTOXIN A3/A4 PRECURSOR (STA3/STA4) (ST-IB) (ST-H)//0.012:  
 37:37//ESCHERICHIA COLI//P07965  
 F-HEMBB1000684//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/3.1e-21:66:72//HOMO SAPIENS (HUMAN)//  
 P39193  
 F-HEMBB1000693//HUNTINGTIN ASSOCIATED PROTEIN 1 (HAP1)//5.2e-26:121:49//RATTUS NORVEGICUS  
 50 (RAT)//P54256  
 F-HEMBB1000705  
 F-HEMBB1000706  
 F-HEMBB1000709//HYPOTHETICAL 5.8 KD PROTEIN//1.0:29:44//CLOVER YELLOW MOSAIC VIRUS  
 (CYMV)//P16485  
 55 F-HEMBB1000725//RAS-RELATED PROTEIN RAB-8B//7.4e-105:205:98//RATTUS NORVEGICUS (RAT)//  
 P70550  
 F-HEMBB1000726//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/1.4e-25:85:70//HOMO SAPIENS (HU-  
 MAN)//P39194

F-HEMBB1000738//50S RIBOSOMAL PROTEIN L33//1.0:41:31//THERMUS AQUATICUS (SUBSP. THERMOPHILUS)//P35871  
 F-HEMBB1000749//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/1.3e-29:42:85//HOMO SAPIENS (HUMAN)//P39194  
 5 F-HEMBB1000763//NIFU PROTEIN//0.089:63:36//FRANKIA ALNI//P46045  
 F-HEMBB1000770//CALTRIN-LIKE PROTEIN II//0.98:13:69//CAVIA PORCELLUS (GUINEA PIG)//P22075  
 F-HEMBB1000774//HIGH MOBILITY GROUP PROTEIN HMG-Y//0.029:53:32//MUS MUSCULUS (MOUSE)//P17095  
 10 F-HEMBB1000781//MAPK/ERK KINASE KINASE 2 (EC 2.7.1.-) (MEK KINASE 2) (MEKK 2)//3.5e-75:144:98//MUS MUSCULUS (MOUSE)//Q61083  
 F-HEMBB1000789//PUTATIVE 90.2 KD ZINC FINGER PROTEIN IN CCA1-ADK2 INTERGENIC REGION//2.6e-49:232:43//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P39956  
 F-HEMBB1000790//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/2.9e-16:93:51//HOMO SAPIENS (HUMAN)//P39188  
 15 F-HEMBB1000794  
 F-HEMBB1000807//MUSCARINIC ACETYLCHOLINE RECEPTOR M3//0.54:111:27//GALLUS GALLUS (CHICKEN)//P49578  
 F-HEMBB1000810  
 F-HEMBB1000821  
 20 F-HEMBB1000822//HYPOTHETICAL 10 KD PROTEIN (ORF 6)//0.10:50:34//NARCISSUS MOSAIC VIRUS (NMV)//P15099  
 F-HEMBB1000826//B-CELL GROWTH FACTOR PRECURSOR (BCGF-12 KD)//0.00025:73:39//HOMO SAPIENS (HUMAN)//P20931  
 F-HEMBB1000827//HYPOTHETICAL 7.4 KD PROTEIN//0.89:23:52//THERMOPROTEUS TENAX VIRUS 1 (STRAIN KRA1) (TTV1)//P19302  
 25 F-HEMBB1000831//MALE SPECIFIC SPERM PROTEIN MST87F//0.98:35:40//DROSOPHILA MELANOGASTER (FRUIT FLY)//P08175  
 F-HEMBB1000835//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//7.8e-31:96:46//HOMO SAPIENS (HUMAN)//P08547  
 30 F-HEMBB1000840//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//0.00012:102:36//NYCTICEBUS COUCANG (SLOW LORIS)//P08548  
 F-HEMBB1000848//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//7.3e-97:239:70//HOMO SAPIENS (HUMAN)//P08547  
 F-HEMBB1000852  
 35 F-HEMBB1000870  
 F-HEMBB1000876//METALLOTHIONEIN (MT)//0.99:14:64//PERCA FLUVIATILIS (PERCH)//P52725  
 F-HEMBB1000883//HYPOTHETICAL 7.8 KD PROTEIN (ORF62)//0.34:60:33//GUILLARDIA THETA (CRYPTOMONAS PHI)//O78459  
 F-HEMBB1000887//HISTIDINE-RICH, METAL BINDING POLYPEPTIDE//1.0:26:42//HELICOBACTER PYLORI (CAMPYLOBACTER PYLORI)//Q48251  
 40 F-HEMBB1000888  
 F-HEMBB1000890  
 F-HEMBB1000893  
 F-HEMBB1000908//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/0.0074:45:51//HOMO SAPIENS (HUMAN)//P39188  
 45 F-HEMBB1000910//PROBABLE E5 PROTEIN//1.0:49:36//HUMAN PAPILLOMAVIRUS TYPE 58//P26552  
 F-HEMBB1000913//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/0.29:56:46//HOMO SAPIENS (HUMAN)//P39195  
 F-HEMBB1000915//CYTOCHROME B (EC 1.10.2.2)//2.5e-24:62:90//HOMO SAPIENS (HUMAN)//P00156  
 50 F-HEMBB1000917//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/5.9e-26:53:66//HOMO SAPIENS (HUMAN)//P39193  
 F-HEMBB1000927//NEURONAL CALCIUM SENSOR 1 (NCS-1) (FREQUENIN)//3.9e-44:182:45//XENOPUS LAEVIS (AFRICAN CLAWED FROG)//Q91614  
 F-HEMBB1000947//SMALL PROLINE-RICH PROTEIN 2-1//0.24:69:27//HOMO SAPIENS (HUMAN)//P35326  
 55 F-HEMBB1000959//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/3.0e-31:89:68//HOMO SAPIENS (HUMAN)//P39195  
 F-HEMBB1000973//CONNECTIVE TISSUE GROWTH FACTOR PRECURSOR//0.96:66:36//BOS TAURUS (BOVINE)//O18739

F-HEMBB1000975//HISTIDINE-RICH GLYCOPROTEIN PRECURSOR (HISTIDINE-PROLINE RICH GLYCOPROTEIN) (HPRG)//0.00042:77:41//HOMO SAPIENS (HUMAN)//P04196  
 F-HEMBB1000981  
 F-HEMBB1000985//MIPP PROTEIN (MURINE IAP-PROMOTED PLACENTA-EXPRESSED PROTEIN)//1.0e-18:178:30//MUS MUSCULUS (MOUSE)//P28575  
 F-HEMBB1000991  
 F-HEMBB1000996//HYPOTHETICAL 10.1 KD PROTEIN IN RHSD-GCL INTERGENIC REGION (ORFD3)//0.58:34:35//ESCHERICHIA COLI//P33669  
 F-HEMBB1001004//PROBABLE E4 PROTEIN//0.24:110:35//HUMAN PAPILLOMAVIRUS TYPE 5B//P26550  
 F-HEMBB1001008  
 F-HEMBB1001011//ZINC FINGER PROTEIN 7 (ZINC FINGER PROTEIN KOX4) (ZINC FINGER PROTEIN HF.16)//3.2e-17:104:47//HOMO SAPIENS (HUMAN)//P17097  
 F-HEMBB1001014//EOTAXIN PRECURSOR (EOSINOPHIL CHEMOTACTIC PROTEIN)//1.0:58:39//RATTUS NORVEGICUS (RAT)//P97545  
 F-HEMBB1001020/////ALU SUBFAMILY SB WARNING ENTRY !!!!!/1.4e-07:36:75//HOMO SAPIENS (HUMAN)//P39189  
 F-HEMBB1001024  
 F-HEMBB1001037//FERREDOXIN//1.0:52:25//MOORELLA THERMOACETICA (CLOSTRIDIUM THERMOACETICUM)//P00203  
 F-HEMBB1001047  
 F-HEMBB1001051//PROTEIN FAN (FACTOR ASSOCIATED WITH N-SMASE ACTIVATION)//3.4e-21:50:100//HOMO SAPIENS (HUMAN)//Q92636  
 F-HEMBB1001056//HYPOTHETICAL 29.3 KD PROTEIN (ORF92)//0.0099:115:35//ORGYIA PSEUDOTSUGATA MULTICAPSID POLYHEDROSIS VIRUS (OPMNPV)//O10341  
 F-HEMBB1001058/////ALU SUBFAMILY SC WARNING ENTRY !!!!!/1.1e-33:95:76//HOMO SAPIENS (HUMAN)//P39192  
 F-HEMBB1001060//HYPOTHETICAL 8.2 KD PROTEIN ZC21.7 IN CHROMOSOME III//1.0:38:36//CAENORHABDITIS ELEGANS//P34591  
 F-HEMBB1001063  
 F-HEMBB1001068  
 F-HEMBB1001096//NOXIUSTOXIN (NTX) (TOXIN II.11)//0.99:36:38//CENTRUROIDES NOXIUS (MEXICAN SCORPION)//P08815  
 F-HEMBB1001102//HYPOTHETICAL 72.5 KD PROTEIN C2F7.10 IN CHROMOSOME I//1.1e-27:115:36//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09701  
 F-HEMBB1001105//CLASS II HISTOCOMPATIBILITY ANTIGEN, M ALPHA CHAIN PRECURSOR//0.80:70:40//HOMO SAPIENS (HUMAN)//P28067  
 F-HEMBB1001112//PROTEIN TRANSPORT PROTEIN SEC61 ALPHA SUBUNIT//1.1e-126:287:85//RATTUS NORVEGICUS (RAT)//P38378  
 F-HEMBB1001114//HYPOTHETICAL 9.6 KD PROTEIN (ORF2)//0.84:62:27//BACTERIOPHAGE L2//P42537  
 F-HEMBB1001117  
 F-HEMBB1001119//COLLAGEN ALPHA 1(XII) CHAIN PRECURSOR//1.6e-21:50:98//HOMO SAPIENS (HUMAN)//Q99715  
 F-HEMBB1001126//HYPOTHETICAL 55.9 KD PROTEIN EEED8.6 IN CHROMOSOME II//1.7e-50:184:53//CAENORHABDITIS ELEGANS//Q09296  
 F-HEMBB1001133/////ALU SUBFAMILY SC WARNING ENTRY !!!!!/1.4e-09:53:62//HOMO SAPIENS (HUMAN)//P39192  
 F-HEMBB1001137//DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT (EC 2.7.7.6) (RPB1) (FRAGMENT)//2.0e-05:206:27//CRICETULUS GRISEUS (CHINESE HAMSTER)//P11414  
 F-HEMBB1001142/////ALU SUBFAMILY SP WARNING ENTRY !!!!!/4.1e-05:46:56//HOMO SAPIENS (HUMAN)//P39193  
 F-HEMBB1001151//HYPOTHETICAL 33.5 KD PROTEIN C1D4.02C IN CHROMOSOME I//2.3e-23:109:44//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q10149  
 F-HEMBB1001153//PROCOLLAGEN ALPHA 2(IV) CHAIN PRECURSOR//0.75:76:34//ASCARIS SUUM (PIG ROUNDWORM) (ASCARIS LUMBRICOIDES)//P27393  
 F-HEMBB1001169/////ALU SUBFAMILY SX WARNING ENTRY !!!!!/1.4e-16:71:59//HOMO SAPIENS (HUMAN)//P39195  
 F-HEMBB1001175//ANKYRIN//3.2e-12:169:31//MUS MUSCULUS (MOUSE)//Q02357  
 F-HEMBB1001177//PERIODIC TRYPTOPHAN PROTEIN 2 HOMOLOG//9.4e-07:148:27//HOMO SAPIENS (HUMAN)

MAN)//Q15269  
 F-HEMBB1001182//HYPOTHETICAL 36.0 KD PROTEIN//1.3e-09:110:31//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P54858  
 F-HEMBB1001199  
 5 F-HEMBB1001208//HYPOTHETICAL PROTEIN LAMBDA-SP5//0.053:23:47//MUS MUSCULUS (MOUSE)//P15974  
 F-HEMBB1001209  
 F-HEMBB1001210//HYPOTHETICAL PROTEIN LAMBDA-SP5//0.14:40:37//MUS MUSCULUS (MOUSE)//P15974  
 10 F-HEMBB1001218//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/3.4e-19:49:67//HOMO SAPIENS (HUMAN)//P39194  
 F-HEMBB1001221//CYTOCHROME C OXIDASE POLYPEPTIDE VIIA-LIVER PRECURSOR (EC 1.9.3.1)//0.11:44:38//HOMO SAPIENS (HUMAN)//P14406  
 F-HEMBB1001234//65 KD YES-ASSOCIATED PROTEIN (YAP65)//2.0e-45:192:53//MUS MUSCULUS (MOUSE)//P46938  
 15 F-HEMBB1001242//HYPOTHETICAL 143.3 KD TRP-ASP REPEATS CONTAINING PROTEIN C12G12.13C IN CHROMOSOME I//5.5e-37:226:41//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09876  
 F-HEMBB1001249//OXALOACETATE DECARBOXYLASE GAMMA CHAIN (EC 4.1.1.3)//1.0:23:43//KLEBSIELLA PNEUMONIAE//P13155  
 20 F-HEMBB1001253//METALLOTHIONEIN-IH (MT-1H) (METALLOTHIONEIN-O) (MT-0)//0.14:16:43//HOMO SAPIENS (HUMAN)//P80294  
 F-HEMBB1001254//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/1.4e-12:40:75//HOMO SAPIENS (HUMAN)//P39195  
 F-HEMBB1001267//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/1.0e-12:33:78//HOMO SAPIENS (HUMAN)//P39193  
 25 F-HEMBB1001271//HYPOTHETICAL 25.1 KD PROTEIN B0302.5 IN CHROMOSOME X//1.0:58:37//CAENORHABDITIS ELEGANS//Q10928  
 F-HEMBB1001282//ANKYRIN HOMOLOG PRECURSOR//9.5e-13:206:31//CHROMATIUM VINOSUM//Q06527  
 F-HEMBB1001288//COPPER HOMEOSTASIS PROTEIN CUTC//4.6e-42:163:51//ESCHERICHIA COLI//P46719  
 30 F-HEMBB1001289//HYPOTHETICAL PROTEIN ORF-1137//1.0e-05:106:26//MUS MUSCULUS (MOUSE)//P11260  
 F-HEMBB1001294//GTP-BINDING PROTEIN TC10//1.3e-34:58:94//HOMO SAPIENS (HUMAN)//P17081  
 F-HEMBB1001302//HOMEOBOX PROTEIN CDX-2 (CAUDAL-TYPE HOMEOBOX PROTEIN 2) (CDX-3)//0.24:49:46//HOMO SAPIENS (HUMAN)//Q99626  
 35 F-HEMBB1001304//GLYCINE-RICH CELL WALL STRUCTURAL PROTEIN (CLONE W10-1) (FRAGMENT)//1.0:17:70//LYCOPERSICON ESCULENTUM (TOMATO)//Q01157  
 F-HEMBB1001314//SALIVARY GLUE PROTEIN SGS-3 PRECURSOR//0.21:104:27//DROSOPHILA ERECTA (FRUIT FLY)//P13730  
 40 F-HEMBB1001315//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/1.3e-24:53:71//HOMO SAPIENS (HUMAN)//P39195  
 F-HEMBB1001317//HYPOTHETICAL 85.7 KD PROTEIN C13G6.03 IN CHROMOSOME I//0.24:90:31//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09782  
 F-HEMBB1001326//HYPOTHETICAL PROTEIN LAMBDA-SP5//0.36:26:50//MUS MUSCULUS (MOUSE)//P15974  
 45 F-HEMBB1001331//HYPOTHETICAL BHLF1 PROTEIN//1.0:127:33//EPSTEIN-BARR VIRUS (STRAIN B95-8) (HUMAN HERPESVIRUS 4)//P03181  
 F-HEMBB1001335//ESCARGOT/SNAIL PROTEIN HOMOLOG (FRAGMENT)//0.85:44:29//SCIARA COPROPHILA (FUNGUS GNAT)//Q01799  
 50 F-HEMBB1001337//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/4.2e-20:62:62//HOMO SAPIENS (HUMAN)//P39194  
 F-HEMBB1001339//HYPOTHETICAL 17.3 KD PROTEIN CY1A11.16C//8.2e-07:123:34//MYCOBACTERIUM TUBERCULOSIS//Q50606  
 F-HEMBB1001346//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//4.2e-14:60:45//HOMO SAPIENS (HUMAN)//P08547  
 55 F-HEMBB1001348//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/5.6e-14:61:62//HOMO SAPIENS (HUMAN)//P39188  
 F-HEMBB1001356

F-HEMBB1001364  
 F-HEMBB1001366/HISTIDINE-RICH PROTEIN//0.87:26:42//PLASMODIUM FALCIPARUM (ISOLATE FCM17 /  
 SENEGAL)//P14586  
 5 F-HEMBB1001367//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!//8.6e-40:146:61//HOMO SAPIENS (HU-  
 MAN)//P39192  
 F-HEMBB1001369  
 F-HEMBB1001380//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!//1.9e-25:49:83//HOMO SAPIENS (HUMAN)//  
 P39193  
 10 F-HEMBB1001384//BH3 INTERACTING DOMAIN DEATH AGONIST (BID)//0.80:95:29//MUS MUSCULUS  
 (MOUSE)//P70444  
 F-HEMBB1001387//PEA2 PROTEIN (PPF2 PROTEIN)//0.022:117:34//SACCHAROMYCES CEREVISIAE (BAK-  
 ER'S YEAST)//P40091  
 F-HEMBB1001394//ALPHA-ADAPTIN A (CLATHRIN ASSEMBLY PROTEIN COMPLEX 2 ALPHA-A LARGE  
 15 CHAIN) (100 KD COATED VESICLE PROTEIN A) (PLASMA MEMBRANE ADAPTOR HA2/AP2 ADAPTIN ALPHA  
 A SUBUNIT)//0.38:85:31//MUS MUSCULUS (MOUSE)//P17426  
 F-HEMBB1001410  
 F-HEMBB1001424//PHOTOSYSTEM II 4 KD REACTION CENTRE PROTEIN PRECURSOR//0.99:37:21//  
 ORYZA SATIVA (RICE)//P12162  
 20 F-HEMBB1001426//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!//0.0035:40:60//HOMO SAPIENS (HUMAN)//  
 P39195  
 F-HEMBB1001429//CYTOSOL AMINOPEPTIDASE (EC 3.4.11.1) (LEUCINE AMINOPEPTIDASE) (LAP) (LEU-  
 CYL AMINOPEPTIDASE) (PROLINE AMINOPEPTIDASE) (EC 3.4.11.5) (PROLYL AMINOPEPTIDASE)//1.1e-  
 99:21:86//BOS TAURUS (BOVINE)//P00727  
 25 F-HEMBB1001436//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!//3.4e-30:57:78//HOMO SAPIENS (HUMAN)//  
 P39195  
 F-HEMBB1001443//[PYRUVATE DEHYDROGENASE (LIPOAMIDE)]-PHOSPHATASE PRECURSOR (PDP) (EC  
 3.1.3.43) (PYRUVATE DEHYDROGENASE PHOSPHATASE, CATALYTIC SUBUNIT (PDPC))//2.5e-79:155:97//  
 BOS TAURUS (BOVINE)//P35816  
 F-HEMBB1001449  
 30 F-HEMBB1001454//SALIVARY PROLINE-RICH PROTEIN PO (ALLELE M) [CONTAINS: PEPTIDE P-D] (FRAG-  
 MENT)//1.1e-05:196:31//HOMO SAPIENS (HUMAN)//P10161  
 F-HEMBB1001458//24 KD ANTIGEN (FRAGMENT)//0.94:18:50//PLASMODIUM CHABAUDI//P14592  
 F-HEMBB1001463  
 35 F-HEMBB1001464//PPF2L ANTIGEN (FRAGMENT)//1.0:45:28//PLASMODIUM FALCIPARUM (ISOLATE PALO  
 ALTO / UGANDA)//P07765  
 F-HEMBB1001482//GASTRULA ZINC FINGER PROTEIN XLGFG16.1 (FRAGMENT)//4.2e-10:37:43//XENO-  
 PUS LAEVIS (AFRICAN CLAWED FROG)//P18712 F-HEMBB1001500  
 F-HEMBB1001521//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!//2.4e-39:59:72//HOMO SAPIENS (HUMAN)//  
 P39188  
 40 F-HEMBB1001527//HOMEBOX PROTEIN HOX-B5 (XLHBOX-4) (XHOX-1B) (FRAGMENT)//0.21:131:25//  
 XENOPUS LAEVIS (AFRICAN CLAWED FROG)//P09019  
 F-HEMBB1001531//GENE 32 PROTEIN (GP32)//0.88:95:30//MYCOBACTERIOPHAGE L5//Q05241  
 F-HEMBB1001535//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//1.0:31:38//LUMBRICUS TERRESTRIS  
 (COMMON EARTHWORM)//Q34942  
 45 F-HEMBB1001536  
 F-HEMBB1001537//!!!! ALU SUBFAMILY SB2 WARNING ENTRY !!!!//0.0063:52:50//HOMO SAPIENS (HU-  
 MAN)//P39191  
 F-HEMBB1001555//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!//4.9e-23:69:63//HOMO SAPIENS (HUMAN)//  
 P39188  
 50 F-HEMBB1001562//RABPHILIN-3A//0.087:147:27//RATTUS NORVEGICUS (RAT)//P47709  
 F-HEMBB1001564//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//5.9e-27:107:54//HOMO SAPIENS (HU-  
 MAN)//P08547  
 F-HEMBB1001565//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!//1.9e-12:51:54//HOMO SAPIENS (HU-  
 MAN)//P39194  
 55 F-HEMBB1001585  
 F-HEMBB1001586  
 F-HEMBB1001588//HYPOTHETICAL 12.3 KD PROTEIN IN GAP1-NAP1 INTERGENIC REGION//0.0031:31:48//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P36140

F-HEMBB1001603  
 F-HEMBB1001618//RETROVIRUS-RELATED POL POLYPROTEIN [CONTAINS: REVERSE TRANSCRIPTASE  
 (EC 2.7.7.49); ENDONUCLEASE]//0.00076:47:44//MUS MUSCULUS (MOUSE)//P11369  
 F-HEMBB1001619//SMALL PROLINE RICH PROTEIN II (SPR-II) (CLONE 930)//1.0:52:32//HOMO SAPIENS  
 5 (HUMAN)//P22531  
 F-HEMBB1001630  
 F-HEMBB1001635//METALLOTHIONEIN-LIKE PROTEIN TYPE 2 A//1.0:27:44//LYCOPERSICON ESCULEN-  
 TUM (TOMATO)//Q40157  
 F-HEMBB1001637//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/0.0042:26:73//HOMO SAPIENS (HUMAN)//  
 10 P39188  
 F-HEMBB1001641  
 F-HEMBB1001653//SURVIVAL MOTOR NEURON PROTEIN 1//0.51:36:47//CANIS FAMILIARIS (DOG)//  
 O02771  
 F-HEMBB1001665//HOMEBOX PROTEIN ENGRAILED-1 (HU-EN-1)//0.0030:135:34//HOMO SAPIENS (HU-  
 15 MAN)//Q05925  
 F-HEMBB1001668//PROBABLE 60S RIBOSOMAL PROTEIN L39//0.99:25:44//CAENORHABDITIS ELEGANS//  
 P52814  
 F-HEMBB1001673//HYPOTHETICAL 46.1 KD PROTEIN IN ERP5-ORC6 INTERGENIC REGION//0.0054:128:  
 34//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38823.  
 20 F-HEMBB1001684//SUPPRESSOR PROTEIN SRP40//0.56:81:34//SACCHAROMYCES CEREVISIAE (BAK-  
 ER'S YEAST)//P32583  
 F-HEMBB1001685//CYTOCHROME C OXIDASE POLYPEPTIDE VIII-HEART PRECURSOR (EC 1.9.3.1) (VIII B)  
 (IX)//1.0:21:47//BOS TAURUS (BOVINE)//P10175  
 F-HEMBB1001695//MYOSIN IC HEAVY CHAIN//8.9e-05:86:40//ACANTHAMOEBA CASTELLANII (AMOEBA)//  
 25 P10569  
 F-HEMBB1001704//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/9.0e-08:35:71//HOMO SAPIENS (HUMAN)//  
 P39195  
 F-HEMBB1001706//CORNIFIN (SMALL PROLINE-RICH PROTEIN I) (SPR-I) (SMALL PROLINE-RICH SQUA-  
 MOUS CELL MARKER) (SPRP)//0.91:39:41//SUS SCROFA (PIG)//P35323  
 30 F-HEMBB1001707//FERREDOXIN-LIKE PROTEIN IN NIF REGION//1.0:43:23//BRADYRHIZOBIUM JAPONI-  
 CUM//P27394  
 F-HEMBB1001717//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 4 (EC 1.6.5.3) (FRAGMENT)//1.0:71:25//  
 LEMUR CATTI (RING-TAILED LEMUR)//Q34878  
 F-HEMBB1001735//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/9.0e-35:97:74//HOMO SAPIENS (HU-  
 35 MAN)//P39194  
 F-HEMBB1001736//EUKARYOTIC TRANSLATION INITIATION FACTOR 3 BETA SUBUNIT (EIF-3 BETA) (EIF3  
 P116) (EIF3 P110)//0.00069:180:28//HOMO SAPIENS (HUMAN)//P55884  
 F-HEMBB1001747  
 F-HEMBB1001749//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/1.8e-43:75:70//HOMO SAPIENS (HUMAN)//  
 40 P39195  
 F-HEMBB1001753//PROTEIN Q300//0.00091:16:81//MUS MUSCULUS (MOUSE)//Q02722  
 F-HEMBB1001756//CYCLIN-DEPENDENT KINASES REGULATORY SUBUNIT 2 (XE-P9)//0.94:35:42//XENO-  
 PUS LAEVIS (AFRICAN CLAWED FROG)//Q91879  
 F-HEMBB1001760  
 45 F-HEMBB1001762//GENE 35 PROTEIN (GP35)//0.76:21:47//MYCOBACTERIOPHAGE L5//Q05245  
 F-HEMBB1001785  
 F-HEMBB1001797//CHLOROPLAST 50S RIBOSOMAL PROTEIN L35//0.99:41:31//PORPHYRA PURPUREA//  
 P51270  
 F-HEMBB1001802  
 50 F-HEMBB1001812//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/2.2e-39:54:77//HOMO SAPIENS (HUMAN)//  
 P39193  
 F-HEMBB1001816//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/1.1e-19:97:57//HOMO SAPIENS (HU-  
 MAN)//P39194  
 F-HEMBB1001831//HYPOTHETICAL 45.6 KD PROTEIN IN COX5A-ALG11 INTERGENIC REGION//0.62:204:  
 23//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53951  
 55 F-HEMBB1001834//GLYCINE-RICH RNA-BINDING PROTEIN 1 (FRAGMENT)//0.0014:40:45//SORGHUM VUL-  
 GARE (SORGHUM)//Q99069  
 F-HEMBB1001836//!!!! ALU SUBFAMILY SB2 WARNING ENTRY !!!!!/7.1e-14:85:61//HOMO SAPIENS (HU-

MAN)//P39191  
 F-HEMBB1001839//PROBABLE E4 PROTEIN//0.61:49:34//HUMAN PAPILLOMAVIRUS TYPE 6C//P20969  
 F-HEMBB1001850  
 F-HEMBB1001863//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/2.7e-30:57:68//HOMO SAPIENS (HUMAN)//P39194  
 5 F-HEMBB1001867  
 F-HEMBB1001868//EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN)//0.00036:47:53//NICOTIANA TABACUM (COMMON TOBACCO)//P13983  
 F-HEMBB1001869//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/7.0e-11:95:45//HOMO SAPIENS (HUMAN)//P39188  
 10 F-HEMBB1001872//HYPOTHETICAL 8.2 KD PROTEIN IN LEF8-FP INTERGENIC REGION//1.0:34:38//AUTOGRAPHA CALIFORNICA NUCLEAR POLYHEDROSIS VIRUS (ACMNPV)//P41459  
 F-HEMBB1001874  
 F-HEMBB1001875  
 15 F-HEMBB1001880  
 F-HEMBB1001899//GENE 11 PROTEIN//1.0:45:31//SPIROPLASMA VIRUS SPV1-R8A2 B//P15902  
 F-HEMBB1001905//HYPOTHETICAL 81.7 KD PROTEIN IN MOL1-NAT2 INTERGENIC REGION//8.8e-54:216:51//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P48234  
 F-HEMBB1001906  
 20 F-HEMBB1001908//MONOCYTIC LEUKEMIA ZINC FINGER PROTEIN//6.3e-51:138:80//HOMO SAPIENS (HUMAN)//Q92794  
 F-HEMBB1001910  
 F-HEMBB1001911  
 25 F-HEMBB1001915//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 64E (EC 3.1.2.15) (UBIQUITIN THIOLESTERASE 64E) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 64E) (DEUBIQUITINATING ENZYME 64E)//2.3e-27:71:70//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q24574  
 F-HEMBB1001921//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//9.8e-13:75:53//HOMO SAPIENS (HUMAN)//P08547  
 F-HEMBB1001922  
 30 F-HEMBB1001925//EPITHELIAL MEMBRANE PROTEIN-1 (EMP-1) (TUMOR-ASSOCIATED MEMBRANE PROTEIN)//1.0:55:30//MUS MUSCULUS (MOUSE)//P47801  
 F-HEMBB1001930//HYPOTHETICAL 9.6 KD PROTEIN K10D2.7 IN CHROMOSOME III//0.43:49:26//CAENORHABDITIS ELEGANS//Q09412  
 F-HEMBB1001944//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/5.1e-34:63:85//HOMO SAPIENS (HUMAN)//P39189  
 35 F-HEMBB1001945//NONSPECIFIC LIPID-TRANSFER PROTEIN (LTP) (PHOSPHOLIPID TRANSFER PROTEIN) (PLTP)//0.28:45:40//AMARANTHUS CAUDATUS (LOVE-LIES-BLEEDING) (INCA-WHEAT)//P80450  
 F-HEMBB1001947//PROTEIN UL24//0.48:42:47//HERPES SIMPLEX VIRUS (TYPE 1 / STRAIN 17)//P10208  
 F-HEMBB1001950//HYPOTHETICAL 42.6 KD PROTEIN IN GSHB-ANSB INTERGENIC REGION (O378)//1.6e-24:162:36//ESCHERICHIA COLI//P52062  
 40 F-HEMBB1001952  
 F-HEMBB1001953  
 F-HEMBB1001957//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/2.7e-11:51:60//HOMO SAPIENS (HUMAN)//P39188  
 45 F-HEMBB1001962//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/7.6e-24:163:42//HOMO SAPIENS (HUMAN)//P39188  
 F-HEMBB1001967//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/2.1e-35:55:80//HOMO SAPIENS (HUMAN)//P39189  
 F-HEMBB1001973//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/2.1e-37:108:75//HOMO SAPIENS (HUMAN)//P39192  
 50 F-HEMBB1001983//LYSIS PROTEIN (E PROTEIN) (GPE)//0.84:45:37//BACTERIOPHAGE ALPHA-3//P31280  
 F-HEMBB1001988  
 F-HEMBB1001990  
 F-HEMBB1001996//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//1.4e-14:98:40//HOMO SAPIENS (HUMAN)//P08547  
 55 F-HEMBB1001997//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/4.1e-19:38:73//HOMO SAPIENS (HUMAN)//P39188  
 F-HEMBB1002002//CYTOCHROME C BIOGENESIS PROTEIN CCSA//1.0:150:25//PORPHYRA PURPUREA//

P51369  
 F-HEMBB1002005/////ALU SUBFAMILY SX WARNING ENTRY !!!!!/7.6e-12:94:40//HOMO SAPIENS (HUMAN)//  
 P39195  
 F-HEMBB1002009  
 5 F-HEMBB1002015//HYPOTHETICAL 7.7 KD PROTEIN IN MRR-TSR INTERGENIC REGION (F67)//1.0:17:47//  
 ESCHERICHIA COLI//P39395  
 F-HEMBB1002042//CYTOCHROME P450 4C1 (EC 1.14.14.1) (CYP1VC1)//2.4e-50:139:55//BLABERUS DIS-  
 COIDALIS (TROPICAL COCKROACH)//P29981  
 F-HEMBB1002043//HYPOTHETICAL 9.5 KD PROTEIN IN DHFR 3'REGION (ORF3)//0.052:40:42//HERPESVI-  
 10 RUS SAIMIRI (SUBGROUP C / STRAIN 488)//P22577  
 F-HEMBB1002044//CELLULOSE COMPLEMENTING PROTEIN//0.45:87:33//ACETOBACTER XYLINUM (AC-  
 ETOBACTER PASTEURIANUS)//P37697  
 F-HEMBB1002045//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//0.78:18:55//HOMO SAPIENS (HUMAN)//  
 P03928  
 15 F-HEMBB1002049  
 F-HEMBB1002050//SALIVARY PROLINE-RICH PROTEIN PRECURSOR (CLONE CP7) [CONTAINS: BASIC  
 PEPTIDE P-F] (FRAGMENT)//1.0e-06:188:27//HOMO SAPIENS (HUMAN)//P02812  
 F-HEMBB1002068//HOMEBOX PROTEIN HOX-A4 (CHOX-1.4)//0.0023:56:44//GALLUS GALLUS (CHICK-  
 EN)//P17277  
 20 F-HEMBB1002069//EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN)//  
 0.0074:134:33//NICOTIANA TABACUM (COMMON TOBACCO)//P13983  
 F-HEMBB1002092//ENV POLYPROTEIN PRECURSOR (COAT POLYPROTEIN) [CONTAINS: OUTER MEM-  
 BRANE PROTEIN GP70; TRANSMEMBRANE PROTEIN P20E]//2.4e-07:75:40//BABOON ENDOGENOUS VI-  
 RUS (STRAIN M7)//P10269  
 25 F-HEMBB1002094/////ALU SUBFAMILY SB2 WARNING ENTRY !!!!!/1.9e-24:63:82//HOMO SAPIENS (HU-  
 MAN)//P39191  
 F-HEMBB1002115//EC PROTEIN HOMOLOG (ZINC-METALLOTHIONEIN CLASS II)//0.94:26:42//ZEA MAYS  
 (MAIZE)//P43401  
 F-HEMBB1002134//ZINC-FINGER PROTEIN NEURO-D4//4.6e-57:176:67//RATTUS NORVEGICUS (RAT)//  
 30 P56163  
 F-HEMBB1002139//CHLOROPLAST 50S RIBOSOMAL PROTEIN L35//1.0:17:52//PORPHYRA PURPUREA//  
 P51270  
 F-HEMBB1002142//EARLY NODULIN 20 PRECURSOR (N-20)//0.087:52:36//MEDICAGO TRUNCATULA (BAR-  
 REL MEDIC)//P93329  
 35 F-HEMBB1002152//HYPOTHETICAL 12.3 KD PROTEIN IN RPL3-RPL33 INTERGENIC REGION (ORF102)//  
 5.8e-05:61:37//CYANOPHORA PARADOXA//P15811  
 F-HEMBB1002189//HYPOTHETICAL PROTEIN UL125//1.0:77:32//HUMAN CYTOMEGALOVIRUS (STRAIN  
 AD169)//P16835  
 F-HEMBB1002190  
 40 F-HEMBB1002193//TYROSINE-PROTEIN KINASE RECEPTOR TYRO3 PRECURSOR (TYROSINE-PROTEIN  
 KINASE RSE) (TYROSINE-PROTEIN KINASE SKY) (TYROSINE-PROTEIN KINASE DTK)//1.2e-27:59:100//  
 HOMO SAPIENS (HUMAN)//Q06418  
 F-HEMBB1002217//ZINC FINGER PROTEIN 184 (FRAGMENT)//6.6e-22:106:50//HOMO SAPIENS (HUMAN)//  
 Q99676  
 45 F-HEMBB1002218//PROTEIN Q300//0.85:19:52//MUS MUSCULUS (MOUSE)//Q02722  
 F-HEMBB1002232/////ALU SUBFAMILY SX WARNING ENTRY !!!!!/9.6e-21:56:71//HOMO SAPIENS (HUMAN)//  
 P39195  
 F-HEMBB1002247  
 F-HEMBB1002249/////ALU SUBFAMILY SQ WARNING ENTRY !!!!!/7.2e-29:93:69//HOMO SAPIENS (HU-  
 50 MAN)//P39194  
 F-HEMBB1002254/////ALU SUBFAMILY SQ WARNING ENTRY !!!!!/2.0e-29:101:67//HOMO SAPIENS (HU-  
 MAN)//P39194  
 F-HEMBB1002255//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 3 (EC 1.6.5.3)//1.0:73:28//PARA-  
 MECIUM TETRAURELIA//P15579  
 55 F-HEMBB1002266//GLUTAMIC ACID-RICH PROTEIN PRECURSOR//0.0079:151:26//PLASMODIUM FALCI-  
 PARUM (ISOLATE FC27 / PAPUA NEW GUINEA)//P13816  
 F-HEMBB1002280//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//5.2e-15:182:36//NYCTICEBUS COU-  
 CANG (SLOW LORIS)//P08548



F-HEMBB1002300  
 F-HEMBB1002306/////ALU SUBFAMILY SX WARNING ENTRY !!!!!/0.00011:26:84//HOMO SAPIENS (HUMAN)//P39195  
 F-HEMBB1002327/////ALU SUBFAMILY SB WARNING ENTRY !!!!!/4.1e-11:41:85//HOMO SAPIENS (HUMAN)//P39189  
 5 F-HEMBB1002329//HYPOTHETICAL 74.0 KD PROTEIN IN CAJ1-HOM3 INTERGENIC REGION//9.9e-17:232:30//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40032  
 F-HEMBB1002340  
 F-HEMBB1002342//HYPOTHETICAL 32.5 KD PROTEIN IN MSH6-BMH2 INTERGENIC REGION//3.6e-40:102:57//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//Q03835  
 10 F-HEMBB1002358//THYMIDYLATE KINASE (EC 2.7.4.9) (DTMP KINASE)//6.1e-30:63:96//HOMO SAPIENS (HUMAN)//P23919  
 F-HEMBB1002359//HYPOTHETICAL 7.1 KD PROTEIN C6G9.01C IN CHROMOSOME I//0.97:28:46//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q92346  
 15 F-HEMBB1002364//RETROVIRUS-RELATED POL POLYPROTEIN (FRAGMENT)//0.47:119:25//HOMO SAPIENS (HUMAN)//P12895  
 F-HEMBB1002371//HYPOTHETICAL 15.5 KD PROTEIN C2F7.12 IN CHROMOSOME I PRECURSOR//3.0e-05:111:30//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09703  
 F-HEMBB1002381//PUTATIVE CUTICLE COLLAGEN C09G5.4//0.34:105:34//CAENORHABDITIS ELEGANS//Q09455  
 20 F-HEMBB1002383//ATP SYNTHASE A CHAIN (EC 3.6.1.34) (PROTEIN 6)//0.049:103:32//AQUIFEX AEOLICUS//066566  
 F-HEMBB1002387//10 KD CHAPERONIN (PROTEIN CPN10) (PROTEIN GROES) (HEAT SHOCK PROTEIN 11)//0.18:75:28//RICKETTSIA TSUTSUGAMUSHI//P16626  
 25 F-HEMBB1002409//HIGH MOBILITY GROUP PROTEIN HMG-Y//0.014:61:36//MUS MUSCULUS (MOUSE)//P17095  
 F-HEMBB1002415  
 F-HEMBB1002425/////ALU SUBFAMILY SQ WARNING ENTRY !!!!!/3.8e-18:55:70//HOMO SAPIENS (HUMAN)//P39194  
 30 F-HEMBB1002442//LIN-10 PROTEIN//5.1e-15:121:31//CAENORHABDITIS ELEGANS//P34692  
 F-HEMBB1002453/////ALU SUBFAMILY SB WARNING ENTRY !!!!!/1.2e-32:54:75//HOMO SAPIENS (HUMAN)//P39189  
 F-HEMBB1002457/////ALU SUBFAMILY J WARNING ENTRY !!!!!/1.5e-07:31:64//HOMO SAPIENS (HUMAN)//P39188  
 35 F-HEMBB1002458//MALE SPECIFIC SPERM PROTEIN MST84DA//0.92:28:53//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q01642  
 F-HEMBB1002477//DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT (EC 2.7.7.6) (RPB1) (FRAGMENT)//0.0066:198:27//CRICETULUS GRISEUS (CHINESE HAMSTER)//P11414  
 F-HEMBB1002489//SPLICEOSOME ASSOCIATED PROTEIN 49 (SAP 49) (SF3B53)//0.030:182:28//HOMO SAPIENS (HUMAN)//Q15427  
 40 F-HEMBB1002492  
 F-HEMBB1002495/////ALU SUBFAMILY SC WARNING ENTRY !!!!!/2.1e-08:41:75//HOMO SAPIENS (HUMAN)//P39192  
 F-HEMBB1002502//RETROVIRUS-RELATED POL POLYPROTEIN (FRAGMENT)//0.00030:31:77//HOMO SAPIENS (HUMAN)//P12895  
 45 F-HEMBB1002509  
 F-HEMBB1002510  
 F-HEMBB1002520//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//6.8e-36:162:50//NYCTICEBUS COUCANG (SLOW LORIS)//P08548  
 50 F-HEMBB1002522//7 KD PROTEIN (ORF 4)//0.77:32:40//CHRYSANTHEMUM VIRUS B (CVB)//P37990  
 F-HEMBB1002531  
 F-HEMBB1002534/////ALU SUBFAMILY SX WARNING ENTRY !!!!!/3.1e-36:80:73//HOMO SAPIENS (HUMAN)//P39195  
 F-HEMBB1002545  
 55 F-HEMBB1002550//HOMEBOX PROTEIN HOX-D11 (HOX-4.6) (HOX-5.5)//3.8e-05:83:34//MUS MUSCULUS (MOUSE)//P23813  
 F-HEMBB1002556  
 F-HEMBB1002579//SPLICING FACTOR U2AF 35 KD SUBUNIT (U2 AUXILIARY FACTOR 35 KD SUBUNIT) (U2

SNRNP AUXILIARY FACTOR SMALL SUBUNIT) (FRAGMENT)//5.0e-06:27:77//SUS SCROFA (PIG)//Q29350  
 F-HEMBB1002582//PROTEINASE INHIBITOR//1.0:27:40//SOLANUM MELONGENA (EGGPLANT) (AUBER-  
 GINE)//P01078  
 5 F-HEMBB1002590//HYPOTHETICAL PROTEIN IN MMSB 3'REGION (ORF1) (FRAGMENT)//1.9e-20:90:54//  
 PSEUDOMONAS AERUGINOSA//P28812  
 F-HEMBB1002596  
 F-HEMBB1002600//NOVEL ANTIGEN 2 (NAG-2)//1.9e-60:187:59//HOMO SAPIENS (HUMAN)//O14817  
 F-HEMBB1002601//M PROTEIN, SEROTYPE 6 PRECURSOR//1.0:71:35//STREPTOCOCCUS PYOGENES//  
 P08089  
 10 F-HEMBB1002603  
 F-HEMBB1002607//SALIVARY PROLINE-RICH PROTEIN PO (ALLELE K) [CONTAINS: PEPTIDE P-D] (FRAG-  
 MENT)//0.0032:142:33//HOMO SAPIENS (HUMAN)//P10162  
 F-HEMBB1002610//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//2.0e-11:79:49//HOMO SAPIENS (HU-  
 MAN)//P08547  
 15 F-HEMBB1002613//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/3.9e-08:41:60//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-HEMBB1002614//HYPOTHETICAL 9.5 KD PROTEIN//1.0:40:35//VACCINIA VIRUS (STRAIN COPENHA-  
 GEN)//P20553  
 F-HEMBB1002617//INSECT TOXIN 1 (BOT IT1)//1.0:44:29//BUTHUS OCCITANUS TUNETANUS (COMMON  
 20 EUROPEAN SCORPION)//P55902  
 F-HEMBB1002623//HYPOTHETICAL 9.7 KD PROTEIN (ORF88) (PUTATIVE DNA-BINDING PROTEIN)//0.42:  
 31:54//BACTERIOPHAGE P4//P12552  
 F-HEMBB1002635//STRESS-ACTIVATED PROTEIN KINASE JNK3 (EC 2.7.1.-) (C-JUN N-TERMINAL KINASE  
 3) (MAP KINASE P49 3F12)//6.2e-17:44:95//HOMO SAPIENS (HUMAN)//P53779  
 25 F-HEMBB1002664//SMALL NUCLEAR RIBONUCLEOPROTEIN ASSOCIATED PROTEIN B (SM-B) (SNRNP-B)  
 (SM11) (FRAGMENT)//1.0:57:36//RATTUS NORVEGICUS (RAT)//P17136  
 F-HEMBB1002677//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//1.9e-06:194:34//NYCTICEBUS COU-  
 CANG (SLOW LORIS)//P08548  
 F-HEMBB1002683//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 5 (EC 1.6.5.3) (FRAGMENT)//0.96:56:  
 30 35//LEMUR CATTAL (RING-TAILED LEMUR)//Q34879  
 F-HEMBB1002684//SILLUCIN//1.0:16:50//RHIZOMUCOR PUSILLUS//P02885  
 F-HEMBB1002686  
 F-HEMBB1002692  
 F-HEMBB1002697//HELIX-DESTABILIZING PROTEIN (SINGLE-STRANDED DNA BINDING PROTEIN) (GPV)//  
 35 0.57:36:38//BACTERIOPHAGE FD, BACTERIOPHAGE F1, AND BACTERIOPHAGE M13//P03669  
 F-HEMBB1002699  
 F-HEMBB1002702  
 F-HEMBB1002705//HYPOTHETICAL 34.8 KD PROTEIN C4H3.04C IN CHROMOSOME I//3.6e-40:180:37//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q10212  
 40 F-HEMBB1002712  
 F-MAMMA1000009//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/1.2e-32:95:75//HOMO SAPIENS (HU-  
 MAN)//P39189  
 F-MAMMA1000019  
 F-MAMMA1000020//DIMETHYLANILINE MONOOXYGENASE [N-OXIDE FORMING] 5 (EC 1.14.13.8) (HEPATIC  
 45 FLAVIN-CONTAINING MONOOXYGENASE 5) (FMO 5) (DIMETHYLANILINE OXIDASE 5)//5.2e-12:24:100//HO-  
 MO SAPIENS (HUMAN)//P49326  
 F-MAMMA1000025//BETA-2-MICROGLOBULIN PRECURSOR//1.0:73:26//BRACHYDANIO RERIO (ZE-  
 BRA FISH) (ZEBRA DANIO)//Q04475  
 F-MAMMA1000043//HYPOTHETICAL PXBL-I PROTEIN (FRAGMENT)//0.057:130:31//BOVINE LEUKEMIA VI-  
 50 RUS (JAPANESE ISOLATE BLV-1) (BLV)//P03412  
 F-MAMMA1000045  
 F-MAMMA1000055//TESTIN 2 (TES2) [CONTAINS: TESTIN 1 (TES1)]//7.5e-44:138:55//MUS MUSCULUS  
 (MOUSE)//P47226  
 F-MAMMA1000057//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/1.2e-39:92:69//HOMO SAPIENS (HU-  
 55 MAN)//P39194  
 F-MAMMA1000069//HYPOTHETICAL 29.3 KD PROTEIN (ORF92)//0.0044:96:34//ORGYIA PSEUDOTSUGATA  
 MULTICAPSID POLYHEDROSIS VIRUS (OPMNPV)//O10341  
 F-MAMMA1000084//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/5.4e-28:94:73//HOMO SAPIENS (HU-

MAN)//P39195  
 F-MAMMA1000085//PUTATIVE CYSTEINYL-TRNA SYNTHETASE C29E6.06C (EC 6.1.1.16) (CYSTEINE--  
 TRNA LIGASE) (CYSRS)//6.6e-38:90:51//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09860  
 F-MAMMA1000092//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/6.4e-30:43:86//HOMO SAPIENS (HU-  
 5 MAN)//P39192  
 F-MAMMA1000103//SMALL PROLINE RICH PROTEIN II (SPR-II) (CLONE 930)//0.038:17:52//HOMO SAPIENS  
 (HUMAN)//P22531  
 F-MAMMA1000117//50S RIBOSOMAL PROTEIN L24E (HL21/HL22)//0.90:25:48//HALOARcula MARISMOR-  
 TUI (HALOBACTERIUM MARISMORTUI)//P14116  
 10 F-MAMMA1000129//HYPOTHETICAL BHLF1 PROTEIN//0.0016:75:40//EPSTEIN-BARR VIRUS (STRAIN  
 B95-8) (HUMAN HERPESVIRUS 4)//P03181  
 F-MAMMA1000133  
 F-MAMMA1000134//HYPOTHETICAL PROTEIN MJ0647//1.0:41:41//METHANOCOCCUS JANNASCHII//  
 Q58063  
 15 F-MAMMA1000139//GUANINE NUCLEOTIDE-BINDING PROTEIN G(I)/G(S)/G(O) GAMMA-3 SUBUNIT//0.99:  
 69:28//BOS TAURUS (BOVINE), AND MUS MUSCULUS (MOUSE)//P29798  
 F-MAMMA1000143//CALPAIN INHIBITOR (CALPASTATIN) (FRAGMENT)//0.023:111:27//MUS MUSCULUS  
 (MOUSE)//P51125  
 F-MAMMA1000155//PUTATIVE CUTICLE COLLAGEN C09G5.5//0.018:125:34//CAENORHABDITIS ELE-  
 20 GANS//Q09456  
 F-MAMMA1000163//MERCURIC TRANSPORT PROTEIN PERIPLASMIC COMPONENT PRECURSOR (PERI-  
 PLASMIC MERCURY ION BINDING PROTEIN) (MERCURY SCAVENGER PROTEIN)//0.11:88:25//SHEWANEL-  
 LA PUTREFACIENS (PSEUDOMONAS PUTREFACIENS)//Q54463  
 F-MAMMA1000171  
 25 F-MAMMA1000173//DREBRIN E//7.6e-41:197:43//HOMO SAPIENS (HUMAN)//Q16643  
 F-MAMMA1000175//GAMMA-THIONIN HOMOLOG PPT PRECURSOR//0.92:39:38//PETUNIA INTEGRIFOLIA  
 (VIOLET-FLOWERED PETUNIA) (PETUNIA INFLATA)//Q40901  
 F-MAMMA1000183//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2)//2.4e-106:249:61//HOMO SA-  
 PIENS (HUMAN)//P51523  
 30 F-MAMMA1000198//MALE SPECIFIC SPERM PROTEIN MST84DD//0.0014:35:42//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY)//Q01645  
 F-MAMMA1000221  
 F-MAMMA1000227//6.8 KD MITOCHONDRIAL PROTEOLIPID//1.0:30:40//MUS MUSCULUS (MOUSE)//  
 P56379  
 35 F-MAMMA1000241//PHOTOSYSTEM I REACTION CENTRE SUBUNIT X (PSI-K)//1.0:40:37//PORPHYRA PUR-  
 PUREA//P51370  
 F-MAMMA1000251//HYPOTHETICAL 6.8 KD PROTEIN IN FIC-PPIA INTERGENIC REGION//0.99:29:48//SAL-  
 MONELLA TYPHIMURIUM//P37771  
 F-MAMMA1000254//HYPOTHETICAL 6.0 KD PROTEIN IN THI12 5'REGION//1.0:20:50//SACCHAROMYCES  
 40 CEREVISIAE (BAKER'S YEAST)//P53820  
 F-MAMMA1000257//HYPOTHETICAL 50.0 KD PROTEIN IN HEML 3'REGION (ORF2)//0.22:50:44//PSEU-  
 DOMONAS AERUGINOSA//Q51470  
 F-MAMMA1000264//GASTRIN-RELEASING PEPTIDE RECEPTOR (GRP-R) (GRP-PREFERRING BOMBESIN  
 RECEPTOR)//0.80:39:43//HOMO SAPIENS (HUMAN)//P30550  
 45 F-MAMMA1000266  
 F-MAMMA1000270//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/9.5e-42:95:84//HOMO SAPIENS (HU-  
 MAN)//P39189  
 F-MAMMA1000277//PROCOLLAGEN ALPHA 1(II) CHAIN PRECURSOR [CONTAINS: CHONDROCALCIN]//  
 0.0062:90:34//MUS MUSCULUS (MOUSE)//P28481  
 50 F-MAMMA1000278//C-HORDEIN (CLONE PC HOR1-3) (FRAGMENT)//0.00096:59:33//HORDEUM VULGARE  
 (BARLEY)//P17991  
 F-MAMMA1000279//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/8.4e-17:56:76//HOMO SAPIENS (HU-  
 MAN)//P39195  
 F-MAMMA1000284//ARYL HYDROCARBON RECEPTOR NUCLEAR TRANSLOCATOR 2 (ARNT PROTEIN 2)//  
 55 0.017:146:30//MUS MUSCULUS (MOUSE)//Q61324  
 F-MAMMA1000287//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/1.5e-32:84:58//HOMO SAPIENS (HU-  
 MAN)//P39189  
 F-MAMMA1000302//C-HORDEIN (CLONE PC-919) (FRAGMENT)//1.0:42:33//HORDEUM VULGARE (BAR-

LEY).//P17992  
 F-MAMMA1000307//PROBABLE E4 PROTEIN.//0.21:71:30//RHESUS PAPILLOMAVIRUS TYPE 1 (RHPV 1)//  
 P24832  
 F-MAMMA1000309//COLLAGEN ALPHA 1(VIII) CHAIN PRECURSOR (ENDOTHELIAL COLLAGEN).//0.0026:  
 5 141:36//HOMO SAPIENS (HUMAN).//P27658  
 F-MAMMA1000312  
 F-MAMMA1000313//DNA REPAIR PROTEIN RAD51 HOMOLOG (25 KD PROTEIN) (FRAGMENT).//0.76:52:32//  
 STAPHYLOCOCCUS AUREUS.//P31337  
 F-MAMMA1000331  
 10 F-MAMMA1000339//50S RIBOSOMAL PROTEIN L29P.//0.78:32:46//METHANOBACTERIUM THERMOAU-  
 TOTROPHICUM.//O26117  
 F-MAMMA1000340//HYPOTHETICAL 29.4 KD PROTEIN IN STE6-LOS1 INTERGENIC REGION.//1.0:29:58//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P36039  
 F-MAMMA1000348//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!//7.5e-09:63:60//HOMO SAPIENS (HUMAN).//  
 15 P39188  
 F-MAMMA1000356//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!//3.3e-05:42:52//HOMO SAPIENS (HUMAN).//  
 P39188  
 F-MAMMA1000360  
 F-MAMMA1000361//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!//4.4e-33:84:72//HOMO SAPIENS (HU-  
 20 MAN).//P39189  
 F-MAMMA1000372//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!//6.6e-21:53:71//HOMO SAPIENS (HU-  
 MAN).//P39193  
 F-MAMMA1000385  
 F-MAMMA1000388//OX40L RECEPTOR PRECURSOR (ACT35 ANTIGEN) (TAX-TRANSCRIPTIONALLY ACTI-  
 25 VATED GLYCOPROTEIN 1 RECEPTOR) (CD134 ANTIGEN).//0.40:72:36//HOMO SAPIENS (HUMAN).//P43489  
 F-MAMMA1000395//RABPHILIN-3A (FRAGMENT).//0.032:125:25//MUS MUSCULUS (MOUSE).//P47708  
 F-MAMMA1000402//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG.//3.1e-28:266:40//HOMO SAPIENS (HU-  
 MAN).//P08547  
 F-MAMMA1000410//NADH-UBIQUINONE OXIDOREDUCTASE 13 KD-B SUBUNIT (EC 1.6.5.3) (EC 1.6.99.3)  
 30 (COMPLEX I-13KD-B) (CI-13KD-B) (B13).//5.9e-06:32:68//HOMO SAPIENS (HUMAN).//Q16718  
 F-MAMMA1000413//RETROVIRUS-RELATED POLYPROTEIN [CONTAINS: REVERSE TRANSCRIPTASE  
 (EC 2.7.7.49); ENDONUCLEASE].//6.7e-05:93:31//MUS MUSCULUS (MOUSE).//P11369  
 F-MAMMA1000414  
 F-MAMMA1000416//HYPOTHETICAL 32.0 KD PROTEIN C09F5.2 IN CHROMOSOME III.//4.1e-28:119:53//  
 35 CAENORHABDITIS ELEGANS.//Q09232  
 F-MAMMA1000421//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!//2.7e-23:68:76//HOMO SAPIENS (HU-  
 MAN).//P39194  
 F-MAMMA1000422//METALLOTHIONEIN (MT).//0.037:42:42//GADUS MORHUA (ATLANTIC COD).//P51902  
 F-MAMMA1000423  
 40 F-MAMMA1000424//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!//0.048:23:73//HOMO SAPIENS (HUMAN).//  
 P39189  
 F-MAMMA1000429//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS5.//2.7e-05:110:30//SAC-  
 CHAROMYCES CEREVISIAE (BAKER'S YEAST).//Q92331  
 F-MAMMA1000431//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!//9.4e-15:85:58//HOMO SAPIENS (HU-  
 45 MAN).//P39194  
 F-MAMMA1000444//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!//4.3e-25:65:76//HOMO SAPIENS (HU-  
 MAN).//P39194  
 F-MAMMA1000446//ZYGXIN.//0.79:155:29//GALLUS GALLUS (CHICKEN).//Q04584  
 F-MAMMA1000458//HYPOTHETICAL 37.7 KD PROTEIN C18B11.06 IN CHROMOSOME I.//0.0048:46:43//  
 50 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST).//Q09713  
 F-MAMMA1000468//PERIOD CLOCK PROTEIN (FRAGMENT).//0.50:20:55//DROSOPHILA ROBUSTA (FRUIT  
 FLY).//Q03296  
 F-MAMMA1000472//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!//1.5e-17:106:55//HOMO SAPIENS (HUMAN).//  
 P39188  
 55 F-MAMMA1000478//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!//3.9e-35:80:68//HOMO SAPIENS (HU-  
 MAN).//P39195  
 F-MAMMA1000483//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!//2.8e-24:74:77//HOMO SAPIENS (HU-  
 MAN).//P39193

F-MAMMA1000490//TYROSINE-PROTEIN KINASE TXK (EC 2.7.1.112) (PTK-RL-18) (RESTING LYMPHOCYTE KINASE)//0.43:21:57//MUS MUSCULUS (MOUSE)//P42682  
 F-MAMMA1000500//TAT PROTEIN (TRANSACTIVATING REGULATORY PROTEIN)//0.61:33:54//HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (Z2/CDC-Z34 ISOLATE) (HIV-1)//P12506  
 5 F-MAMMA1000501//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/1.1e-32:43:83//HOMO SAPIENS (HUMAN)//P39194  
 F-MAMMA1000516  
 F-MAMMA1000522//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//0.0015:113:32//HOMO SAPIENS (HUMAN)//P08547  
 10 F-MAMMA1000524//HYPOTHETICAL HOST RANGE 8.5 KD PROTEIN//1.0:63:31//VACCINIA VIRUS (STRAIN WR)//P17359  
 F-MAMMA1000559//METALLOTHIONEIN-I (MT-I) (MT-IB/MT-IA)//0.31:16:50//CALLINECTES SAPIDUS (BLUE CRAB)//P55949  
 F-MAMMA1000565//FERREDOXIN-TYPE PROTEIN NAPF//0.98:37:35//ESCHERICHIA COLI//P33939  
 15 F-MAMMA1000567//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/5.5e-37:95:76//HOMO SAPIENS (HUMAN)//P39195  
 F-MAMMA1000576//!!!! ALU SUBFAMILY SB2 WARNING ENTRY !!!!!/4.1e-07:34:64//HOMO SAPIENS (HUMAN)//P39191  
 F-MAMMA1000583  
 20 F-MAMMA1000585//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/1.5e-28:89:75//HOMO SAPIENS (HUMAN)//P39194  
 F-MAMMA1000594//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/4.8e-24:38:71//HOMO SAPIENS (HUMAN)//P39195  
 F-MAMMA1000597//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/1.1e-25:74:77//HOMO SAPIENS (HUMAN)//P39195  
 25 F-MAMMA1000605//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/2.1e-18:83:50//HOMO SAPIENS (HUMAN)//P39195  
 F-MAMMA1000612//HYPOTHETICAL 34.0 KD TRP-ASP REPEATS CONTAINING PROTEIN IN SIS1-MRPL2 INTERGENIC REGION//4.0e-42:166:48//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P41318  
 30 F-MAMMA1000616  
 F-MAMMA1000621  
 F-MAMMA1000623//METALLOTHIONEIN-IK (MT-1K)//0.0045:25:48//HOMO SAPIENS (HUMAN)//P80296  
 F-MAMMA1000625//PROLINE-RICH PROTEIN MP-3 (FRAGMENT)//0.00078:79:35//MUS MUSCULUS (MOUSE)//P05143  
 35 F-MAMMA1000643//HYPOTHETICAL 9.3 KD PROTEIN//1.0:25:28//MAGUARI VIRUS//P16607  
 F-MAMMA1000664  
 F-MAMMA1000669//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//4.2e-05:186:30//HOMO SAPIENS (HUMAN)//P08547  
 F-MAMMA1000670//PROLINE-RICH PROTEIN MP-3 (FRAGMENT)//1.6e-06:195:30//MUS MUSCULUS (MOUSE)//P05143  
 40 F-MAMMA1000672//VITELLOGENIC CARBOXYPEPTIDASE PRECURSOR (EC 3.4.16.-)//3.8e-28:184:35//AEDES AEGYPTI (YELLOW FEVER MOSQUITO)//P42660  
 F-MAMMA1000684//DNA-BINDING PROTEIN (VMW21)//1.1e-07:55:56//HERPES SIMPLEX VIRUS (TYPE 1 / STRAIN 17)//P04487  
 45 F-MAMMA1000696//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/1.2e-31:97:74//HOMO SAPIENS (HUMAN)//P39194  
 F-MAMMA1000707//METALLOTHIONEIN-II (MT-II) (MT-IIB/MT-IIA)//0.31:19:42//CALLINECTES SAPIDUS (BLUE CRAB)//P55950  
 F-MAMMA1000713//XYLULOSE KINASE (EC 2.7.1.17) (XYLUKINASE)//1.6e-05:88:35//LACTOBACILLUS PENTOSUS//P21939  
 50 F-MAMMA1000714//PROTEIN-LYSINE 6-OXIDASE PRECURSOR (EC 1.4.3.13) (LYSYL OXIDASE)//0.44:126:30//RATTUS NORVEGICUS (RAT)//P16636  
 F-MAMMA1000718//METALLOTHIONEIN-III (MT-2E)//1.0:51:31//ORYCTOLAGUS CUNICULUS (RABBIT)//P80292  
 55 F-MAMMA1000720//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/3.3e-28:60:71//HOMO SAPIENS (HUMAN)//P39193  
 F-MAMMA1000723//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//3.7e-14:63:53//HOMO SAPIENS (HUMAN)//P08547

EP 1 074 617 A2

F-MAMMA1000731//CHROMODOMAIN-HELICASE-DNA-BINDING PROTEIN 2 (CHD-2)//1.8e-43:258:43//HOMO SAPIENS (HUMAN)//O14647  
F-MAMMA1000732//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/9.9e-12:76:55//HOMO SAPIENS (HUMAN)//P39188  
5 F-MAMMA1000733  
F-MAMMA1000734//NPL1 PROTEIN (SEC63 PROTEIN)//2.5e-18:181:39//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P14906  
F-MAMMA1000738//HYPOTHETICAL 116.5 KD PROTEIN C20G8.09C IN CHROMOSOME I//5.4e-52:196:58//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//P87115  
10 F-MAMMA1000744//!!!! ALU SUBFAMILY SB1 WARNING ENTRY !!!!!/6.3e-36:144:47//HOMO SAPIENS (HUMAN)//P39190  
F-MAMMA1000746  
F-MAMMA1000752  
F-MAMMA1000760//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/6.6e-29:75:72//HOMO SAPIENS (HUMAN)//P39195  
15 F-MAMMA1000761//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/3.6e-09:59:64//HOMO SAPIENS (HUMAN)//P39194  
F-MAMMA1000775  
F-MAMMA1000776//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/3.3e-35:99:74//HOMO SAPIENS (HUMAN)//P39193  
20 F-MAMMA1000778//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/2.1e-19:65:70//HOMO SAPIENS (HUMAN)//P39195  
F-MAMMA1000782  
F-MAMMA1000798//HYPOTHETICAL PROTEIN ORF-1137//0.015:59:37//MUS MUSCULUS (MOUSE)//P11260  
25 F-MAMMA1000802//MYOSIN IC HEAVY CHAIN//0.35:94:41//ACANTHAMOEBA CASTELLANII (AMOEBA)//P10569  
F-MAMMA1000824//ACTIN 1//0.046:60:31//ZEA MAYS (MAIZE)//P02582  
F-MAMMA1000831//PROBABLE NI/FE-HYDROGENASE 1 B-TYPE CYTOCHROME SUBUNIT//1.0:30:46//ESCHERICHIA COLI//P19929  
30 F-MAMMA1000839//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/1.1e-28:80:58//HOMO SAPIENS (HUMAN)//P39188  
F-MAMMA1000841//PUTATIVE AMIDASE (EC 3.5.1.4)//1.5e-39:130:36//METHANOBACTERIUM THERMOAUTOTROPHICUM//O27540  
35 F-MAMMA1000842//C-HORDEIN (CLONE PC-919) (FRAGMENT)//0.064:43:41//HORDEUM VULGARE (BARLEY)//P17992  
F-MAMMA1000843  
F-MAMMA1000845//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 2 (EC 1.6.5.3)//0.43:58:34//DROSOPHILA YAKUBA (FRUIT FLY)//P03895  
40 F-MAMMA1000851//CUTICLE COLLAGEN 34//0.019:107:29//CAENORHABDITIS ELEGANS//P34687  
F-MAMMA1000855//SPLICEOSOME ASSOCIATED PROTEIN 62 (SAP 62) (SF3A66)//0.00098:149:32//HOMO SAPIENS (HUMAN)//Q15428  
F-MAMMA1000856//METALLOTHIONEIN (MT)//0.63:39:41//POTAMON POTAMIOS//P55952  
45 F-MAMMA1000859//GLYCOPROTEIN X PRECURSOR//0.014:192:28//EQUINE HERPESVIRUS TYPE 1 (STRAIN AB4P) (EHV-1)//P28968  
F-MAMMA1000862//DISINTEGRIN KISTRIN (PLATELET AGGREGATION ACTIVATION INHIBITOR)//1.0:66:27//AGKISTRODON RHODOSTOMA (MALAYAN PIT VIPER) (CALLOSELASMA RHODOSTOMA)//P17494  
F-MAMMA1000863//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/5.4e-16:41:68//HOMO SAPIENS (HUMAN)//P39188  
50 F-MAMMA1000865//SALIVARY PROUNE-RICH PROTEIN II-1 (FRAGMENT)//0.030:100:32//HOMO SAPIENS (HUMAN)//P81489  
F-MAMMA1000867//APTOTOXIN IX (PARALYTIC PEPTIDE IX) (PP IX)//0.98:43:32//APTOSTICHUS SCHLINGERI (TRAP-DOOR SPIDER)//P49272  
F-MAMMA1000875//PROLINE-RICH PEPTIDE P-B//0.18:21:47//HOMO SAPIENS (HUMAN)//P02814  
55 F-MAMMA1000876//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/1.5e-22:85:71//HOMO SAPIENS (HUMAN)//P39189  
F-MAMMA1000877//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/1.2e-38:62:74//HOMO SAPIENS (HUMAN)//P39188

F-MAMMA1000880//COLLAGEN ALPHA 1(XII) CHAIN (FRAGMENTS)//0.49:79:32//BOS TAURUS (BOVINE)//  
 P25508  
 F-MAMMA1000883//HYPOTHETICAL 6.1 KD PROTEIN C03B1.10 IN CHROMOSOME X//0.87:15:60//  
 CAENORHABDITIS ELEGANS//Q11116  
 5 F-MAMMA1000897//INTER-ALPHA-TRYPSIN INHIBITOR HEAVY CHAIN H4 PRECURSOR (ITI HEAVY CHAIN  
 H4) (INTER-ALPHA-TRYPSIN INHIBITOR FAMILY HEAVY CHAIN-RELATED PROTEIN) (PLASMA KALLIKREIN  
 SENSITIVE GLYCOPROTEIN 120) (PK-120)//5.3e-17:130:40//HOMO SAPIENS (HUMAN)//Q14624  
 F-MAMMA1000905  
 F-MAMMA1000906  
 10 F-MAMMA1000908//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//8.0e-17:70:62//HOMO SAPIENS (HU-  
 MAN)//P08547  
 F-MAMMA1000914//HYPOTHETICAL 6.2 KD PROTEIN//0.97:36:36//THERMOPROTEUS TENAX VIRUS 1  
 (STRAIN KRA1) (TTV1)//P19299  
 F-MAMMA1000921  
 15 F-MAMMA1000931//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/5.6e-10:49:65//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-MAMMA1000940//MITOCHONDRIAL 60S RIBOSOMAL PROTEIN L32//0.42:22:54//RECLINOMONAS  
 AMERICANA//Q021281  
 F-MAMMA1000941//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/2.3e-25:55:69//HOMO SAPIENS (HUMAN)//  
 20 P39188  
 F-MAMMA1000942//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/3.3e-08:36:75//HOMO SAPIENS (HU-  
 MAN)//P39194  
 F-MAMMA1000943  
 F-MAMMA1000956//SMALL HISTIDINE-ALANINE-RICH PROTEIN PRECURSOR (SHARP) (ANTIGEN 57)//  
 25 0.041:122:25//PLASMODIUM FALCIPARUM (ISOLATE FC27 / PAPUA NEW GUINEA)//P04930  
 F-MAMMA1000957//HEAT-STABLE ENTEROTOXIN A2 PRECURSOR (STA2)//0.024:37:37//ESCHERICHIA  
 COLI//Q47185  
 F-MAMMA1000962//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/6.0e-39:61:78//HOMO SAPIENS (HU-  
 MAN)//P39189  
 30 F-MAMMA1000968//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/0.0054:29:72//HOMO SAPIENS (HUMAN)//  
 P39194  
 F-MAMMA1000975//CUTICLE COLLAGEN DPY-2 PRECURSOR//1.0:93:30//CAENORHABDITIS ELEGANS//  
 P35799  
 F-MAMMA1000979//PROLINE-RICH PEPTIDE P-B//0.012:12:66//HOMO SAPIENS (HUMAN)//P02814  
 35 F-MAMMA1000987//HYPOTHETICAL PROTEIN LAMBDA-SP34//1.0:47:40//MUS MUSCULUS (MOUSE)//  
 P15973  
 F-MAMMA1000998  
 F-MAMMA1001003//PROBABLE E5 PROTEIN//1.0:52:42//HUMAN PAPILLOMAVIRUS TYPE 33//P06426  
 F-MAMMA1001008//PROGASTRICIN PRECURSOR (EC 3.4.23.3) (PEPSINOGEN C) (FRAGMENT)//3.2e-14:  
 40 131:35//MACACA FUSCATA FUSCATA (JAPANESE MACAQUE)//P03955  
 F-MAMMA1001021//HYPOTHETICAL 35.5 KD PROTEIN IN TRANSPOSON TN4556//0.016:61:42//STREPTO-  
 MYCES FRADIAE//P20186  
 F-MAMMA1001024  
 F-MAMMA1001030//LUTROPIN-CHORIOGONADOTROPIC HORMONE RECEPTOR (LH/CG-R) (LSH-R)  
 45 (LUTEINIZING HORMONE RECEPTOR) (FRAGMENT)//2.4e-20:234:29//GALLUS GALLUS (CHICKEN)//  
 Q90674  
 F-MAMMA1001035//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/1.7e-15:52:78//HOMO SAPIENS (HU-  
 MAN)//P39193  
 F-MAMMA1001038//NEUROTOXIN II (TOXIN RP-II) (SODIUM CHANNEL TOXIN II)//0.53:25:48//RADIANTHUS  
 50 PAUMOTENSIS (SEA ANEMONE) (HETERACTIS PAUMOTENSIS)//P01534  
 F-MAMMA1001041//SPECTRIN BETA CHAIN, ERYTHROCYTE//6.3e-18:112:43//MUS MUSCULUS  
 (MOUSE)//P15508  
 F-MAMMA1001050  
 F-MAMMA1001059//PUTATIVE ATP-DEPENDENT RNA HELICASE C12C2.06//1.3e-34:187:47//SCHIZOSAC-  
 55 CHAROMYCES POMBE (FISSION YEAST)//Q09747  
 F-MAMMA1001067//PROTEIN Q300//0.36:12:75//MUS MUSCULUS (MOUSE)//Q02722  
 F-MAMMA1001073//HEPATOCYTE NUCLEAR FACTOR 3 FORKHEAD HOMOLOG 1 (HFH-1)//1.0:70:37//RAT-  
 TUS NORVEGICUS (RAT)//Q63244

F-MAMMA1001074//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//0.00067:163:32//HOMO SAPIENS (HUMAN)//P08547  
 F-MAMMA1001075//RETINOBLASTOMA BINDING PROTEIN 1 (RBBP-1)//0.53:72:34//HOMO SAPIENS (HUMAN)//P29374  
 5 F-MAMMA1001078//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//5.0e-79:184:73//HOMO SAPIENS (HUMAN)//P08547  
 F-MAMMA1001080//IG HEAVY CHAIN PRECURSOR V-III REGION (VH26)//1.7e-27:82:71//HOMO SAPIENS (HUMAN)//P01764  
 F-MAMMA1001082  
 10 F-MAMMA1001091//HYPOTHETICAL BHLF1 PROTEIN//3.1e-05:198:32//EPSTEIN-BARR VIRUS (STRAIN B95-8) (HUMAN HERPESVIRUS 4)//P03181  
 F-MAMMA1001092//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//7.1e-21:65:72//HOMO SAPIENS (HUMAN)//P08547  
 F-MAMMA1001105//OVO PROTEIN (SHAVEN BABY PROTEIN)//1.0e-18:68:48//DROSOPHILA MELANOGASTER (FRUIT FLY)//P51521  
 15 F-MAMMA1001110//PROCOLLAGEN ALPHA 1(IV) CHAIN PRECURSOR//0.080:108:37//MUS MUSCULUS (MOUSE)//P02463  
 F-MAMMA1001126//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/2.3e-07:66:45//HOMO SAPIENS (HUMAN)//P39189  
 20 F-MAMMA1001133//HYPOTHETICAL 13.2 KD PROTEIN IN RPS4A-BAT2 INTERGENIC REGION//0.96:43:25//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P47174  
 F-MAMMA1001139//HYPOTHETICAL 36.7 KD PROTEIN AH6.2 IN CHROMOSOME II//5.4e-42:81:62//CAENORHABDITIS ELEGANS//Q09201  
 F-MAMMA1001143//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/0.00014:36:66//HOMO SAPIENS (HUMAN)//P39188  
 25 F-MAMMA1001145  
 F-MAMMA1001154//CSBA PROTEIN//1.0:39:38//BACILLUS SUBTILIS//P37953  
 F-MAMMA1001161//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/5.2e-23:53:64//HOMO SAPIENS (HUMAN)//P39188  
 30 F-MAMMA1001162//CD27L RECEPTOR PRECURSOR (T-CELL ACTIVATION ANTIGEN CD27)//0.69:86:31//MUS MUSCULUS (MOUSE)//P41272  
 F-MAMMA1001181//HYPOTHETICAL 81.0 KD PROTEIN C35D10.4 IN CHROMOSOME III//0.00010:74:47//CAENORHABDITIS ELEGANS//Q18486  
 F-MAMMA1001186//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/9.0e-32:44:86//HOMO SAPIENS (HUMAN)//P39194  
 35 F-MAMMA1001191//OCTAMER-BINDING TRANSCRIPTION FACTOR 1 (OTF-1) (NF-A1) (FRAGMENT)//0.096:40:40//MACROPUS EUGENII (TAMMAR WALLABY)//Q28466  
 F-MAMMA1001198//EPIDERMAL GROWTH FACTOR RECEPTOR SUBSTRATE SUBSTRATE 15 (PROTEIN EPS15) (AF-1P PROTEIN)//2.5e-75:204:70//HOMO SAPIENS (HUMAN)//P42566  
 40 F-MAMMA1001202//METALLOTHIONEIN-II (MT-II) (MT-IIB/MT-IIA)//0.52:46:32//CALLINECTES SAPIDUS (BLUE CRAB)//P55950  
 F-MAMMA1001203//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/7.3e-11:82:58//HOMO SAPIENS (HUMAN)//P39192  
 F-MAMMA1001206//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/1.9e-17:67:71//HOMO SAPIENS (HUMAN)//P39188  
 45 F-MAMMA1001215//9 KD PROTEIN//1.0:51:33//HOMO SAPIENS (HUMAN)//P13994  
 F-MAMMA1001220//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/3.4e-37:55:87//HOMO SAPIENS (HUMAN)//P39189  
 F-MAMMA1001222//HYPOTHETICAL 73.6 KD PROTEIN CY49.21//3.7e-06:168:38//MYCOBACTERIUM TUBERCULOSIS//Q10690  
 50 F-MAMMA1001243  
 F-MAMMA1001244//TRP OPERON LEADER PEPTIDE//1.0:18:55//SERRATIA MARCESCENS//P03055  
 F-MAMMA1001249//HYPOTHETICAL 7.2 KD PROTEIN IN RPS2 3'REGION (ORF57)//0.57:23:34//ASTASIA LONGA (EUGLENOPHYCEAN ALGA)//P34774  
 55 F-MAMMA1001256//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/2.3e-07:79:44//HOMO SAPIENS (HUMAN)//P39188  
 F-MAMMA1001259//PUTATIVE DNA HELICASE II HOMOLOG (EC 3.6.1.-)//0.046:86:32//MYCOPLASMA GENITALIUM//P47486



F-MAMMA1001260//MYOSIN HEAVY CHAIN, PERINATAL SKELETAL MUSCLE //2.7e-05:219:27//HOMO SAPIENS (HUMAN)//P13535  
 F-MAMMA1001268//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG //9.7e-27:89:67//HOMO SAPIENS (HUMAN)//P08547  
 5 F-MAMMA1001271//ATROPHIN-1 (DENTATORUBRAL-PALLIDOLUYSIAN ATROPHY PROTEIN) //4.0e-06:126:38//HOMO SAPIENS (HUMAN)//P54259  
 F-MAMMA1001274//!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!//7.4e-29:57:66//HOMO SAPIENS (HUMAN)//P39194  
 F-MAMMA1001280//BACTERIOCIN MICROCIN B17 PRECURSOR (MCB17) //0.27:24:54//ESCHERICHIA COLI//P05834  
 10 F-MAMMA1001292//HYPOTHETICAL PROTEIN KIAA0176 (FRAGMENT) //1.3e-73:208:69//HOMO SAPIENS (HUMAN)//Q14681  
 F-MAMMA1001296//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!//6.9e-22:41:80//HOMO SAPIENS (HUMAN)//P39193  
 15 F-MAMMA1001298//HYPOTHETICAL PROTEIN HI0371 //0.99:29:37//HAEMOPHILUS INFLUENZAE//P44668  
 F-MAMMA1001305//GTPASE-ACTIVATING PROTEIN RHOGAP (RHO-RELATED SMALL GTPASE PROTEIN ACTIVATOR) (CDC42 GTPASE-ACTIVATING PROTEIN) (P50-RHOGAP) //9.9e-62:222:54//HOMO SAPIENS (HUMAN)//Q07960  
 F-MAMMA1001322//B-CELL GROWTH FACTOR PRECURSOR (BCGF-12 KD) //2.1e-09:46:60//HOMO SAPIENS (HUMAN) //P20931  
 20 F-MAMMA1001324//POL POLYPROTEIN [CONTAINS: PROTEASE (EC 3.4.23.-); REVERSE TRANSCRIPTASE (EC 2.7.7.49); RIBONUCLEASE H (EC 3.1.26.4)] //2.5e-43:128:50//FRIEND MURINE LEUKEMIA VIRUS (ISOLATE PVC-211) (F-MULV) //P26808  
 F-MAMMA1001330//HEMOGLOBIN ZETA CHAIN (FRAGMENTS) //0.30:51:37//MACROPUS EUGENII (TAMMAR WALLABY) //P81044  
 25 F-MAMMA1001341//TRISTETRAPROLINE (TTP) (TIS11A) (TIS11) (ZFP-36) (GROWTH FACTOR-INDUCIBLE NUCLEAR PROTEIN NUP475) //0.024:89:39//HOMO SAPIENS (HUMAN) //P26651  
 F-MAMMA1001343//PROBABLE E5 PROTEIN //0.60:64:29//HUMAN PAPILLOMAVIRUS TYPE 16 //P06927  
 F-MAMMA1001346//PROTEINASE INHIBITOR IIB (FRAGMENTS) //0.97:33:45//SOLANUM TUBEROSUM (POTATO) //P01082  
 30 F-MAMMA1001383//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!//1.2e-30:86:77//HOMO SAPIENS (HUMAN) //P39194  
 F-MAMMA1001388//LEUCINE-RICH ALPHA-2-GLYCOPROTEIN (LRG) //9.2e-91:195:92//HOMO SAPIENS (HUMAN) //P02750  
 35 F-MAMMA1001397//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!//3.5e-19:55:69//HOMO SAPIENS (HUMAN) //P39188  
 F-MAMMA1001408//SALIVARY GLUE PROTEIN SGS-7 PRECURSOR //0.60:45:35//DROSOPHILA MELANOGASTER (FRUIT FLY) //P02841  
 F-MAMMA1001411//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA-GLUCOSIDASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE) //5.8e-06:153:26//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST) //P08640  
 40 F-MAMMA1001419//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!//2.3e-16:99:51//HOMO SAPIENS (HUMAN) //P39194  
 F-MAMMA1001420//!!!! ALU SUBFAMILY SB1 WARNING ENTRY !!!!!//0.0018:23:65//HOMO SAPIENS (HUMAN) //P39190  
 45 F-MAMMA1001435//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!//1.7e-22:60:58//HOMO SAPIENS (HUMAN) //P39195  
 F-MAMMA1001442  
 F-MAMMA1001446//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!//1.2e-23:48:75//HOMO SAPIENS (HUMAN) //P39194  
 50 F-MAMMA1001452//GENE 35 PROTEIN (GP35) //0.61:31:45//MYCOBACTERIOPHAGE L5 //Q05245  
 F-MAMMA1001465//HYPOTHETICAL PROTEIN E-115 //0.0026:68:38//HUMAN ADENOVIRUS TYPE 2 //P03290  
 F-MAMMA1001476//URIDINE KINASE (EC 2.7.1.48) (URIDINE MONOPHOSPHOKINASE) (FRAGMENT) //3.7e-94:201:92//MUS MUSCULUS (MOUSE) //P52623  
 55 F-MAMMA1001487//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG //4.6e-16:89:41//NYCTICEBUS COUCANG (SLOW LORIS) //P08548  
 F-MAMMA1001501//CALPAIN 1, LARGE [CATALYTIC] SUBUNIT (EC 3.4.22.17) (CALCIUM-ACTIVATED NEU-

TRAL PROTEINASE) (CANP) (MU-TYPE)//6.2e-59:86:97//HOMO SAPIENS (HUMAN)//P07384  
 F-MAMMA1001502//HYPOTHETICAL 11.4 KD PROTEIN (ORF1)//0.21:79:30//STREPTOMYCES FRADIAE//  
 P26800  
 F-MAMMA1001510  
 5 F-MAMMA1001522//HYPOTHETICAL 35.5 KD PROTEIN IN TRANSPOSON TN4556//0.67:98:31//STREPTO-  
 MYCES FRADIAE//P20186  
 F-MAMMA1001547//PROBABLE MOLYBDENUM-PTERIN BINDING PROTEIN//0.97:35:42//HAEMOPHILUS  
 INFLUENZAE//P45183  
 F-MAMMA1001551//HYPOTHETICAL PROTEIN MJ0458.1//0.038:31:41//METHANOCOCCUS JANNASCHII//  
 10 P81308  
 F-MAMMA1001575  
 F-MAMMA1001576//TUBULIN GAMMA CHAIN//1.6e-86:162:99//XENOPUS LAEVIS (AFRICAN CLAWED  
 FROG)//P23330  
 F-MAMMA1001590//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/0.0035:38:55//HOMO SAPIENS (HUMAN)//  
 15 P39195  
 F-MAMMA1001600//CONNECTIVE TISSUE GROWTH FACTOR PRECURSOR//0.85:53:33//HOMO SAPIENS  
 (HUMAN)//P29279  
 F-MAMMA1001604//HYPOTHETICAL 11.1 KD PROTEIN C30D11.02C IN CHROMOSOME I//0.14:82:29//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09902  
 20 F-MAMMA1001606//HIGH MOBILITY GROUP PROTEIN HMGI-C//8.2e-05:77:37//HOMO SAPIENS (HUMAN)//  
 P52926  
 F-MAMMA1001620//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/5.5e-05:24:66//HOMO SAPIENS (HU-  
 MAN)//P39195  
 F-MAMMA1001627//CUTICLE COLLAGEN 40//0.82:131:31//CAENORHABDITIS ELEGANS//P34804  
 25 F-MAMMA1001630//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/8.6e-26:57:78//HOMO SAPIENS (HU-  
 MAN)//P39194  
 F-MAMMA1001633//ZINC FINGER PROTEIN 165//6.9e-38:160:55//HOMO SAPIENS (HUMAN)//P49910  
 F-MAMMA1001635  
 F-MAMMA1001649//SPERM PROTAMINE P1//0.39:31:41//TACHYGLOSSUS ACULEATUS ACULEATUS (AUS-  
 30 TRALIAN ECHIDNA)//P35311  
 F-MAMMA1001654//NON-RECEPTOR TYROSINE KINASE SPORE LYSIS A (EC 2.7.1.112) (TYROSINE- PRO-  
 TEIN KINASE 1)//5.6e-06:99:28//DICTYOSTELIUM DISCOIDEUM (SLIME MOLD)//P18160  
 F-MAMMA1001663//VERY HYPOTHETICAL XYLU PROTEIN//0.99:27:37//ESCHERICHIA COLI//P05056  
 F-MAMMA1001670//CUTICLE COLLAGEN 1//0.033:97:37//CAENORHABDITIS ELEGANS//P08124  
 35 F-MAMMA1001671  
 F-MAMMA1001679//PROCOLLAGEN ALPHA 2(IV) CHAIN PRECURSOR//0.92:32:50//HOMO SAPIENS (HU-  
 MAN)//P08572  
 F-MAMMA1001683//HYPOTHETICAL 35.5 KD PROTEIN IN TRANSPOSON TN4556//0.00026:147:34//STREP-  
 TOMYCES FRADIAE//P20186  
 40 F-MAMMA1001686  
 F-MAMMA1001692//SMALL HYDROPHOBIC PROTEIN (SMALL PROTEIN 1A)//1.0:34:26//BOVINE RESPIRA-  
 TORY SYNCYTIAL VIRUS (STRAIN A51908) (BRS)//P24616  
 F-MAMMA1001711//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/1.1e-28:56:69//HOMO SAPIENS (HU-  
 MAN)//P39194  
 45 F-MAMMA1001715//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/1.6e-08:39:71//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-MAMMA1001730//METALLOTHIONEIN-B (MTB)//1.0:17:64//STRONGYLOCENTROTUS PURPURATUS  
 (PURPLE SEA URCHIN)//Q27287  
 F-MAMMA1001735//TUBULIN BETA-5 CHAIN (CLASS-V)//5.1e-121:213:97//GALLUS GALLUS (CHICKEN)//  
 50 P09653  
 F-MAMMA1001740  
 F-MAMMA1001743//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/1.3e-09:100:42//HOMO SAPIENS (HU-  
 MAN)//P39195  
 F-MAMMA1001744//POU DOMAIN PROTEIN 2//0.97:59:38//BRACHYDANIO RERIO (ZEBRAFISH) (ZEBRA  
 55 DANIO)//Q90270  
 F-MAMMA1001745//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//2.1e-43:199:42//HOMO SAPIENS (HU-  
 MAN)//P08547  
 F-MAMMA1001751//TWK-8 PROTEIN//2.9e-15:77:36//CAENORHABDITIS ELEGANS//P34410

# EP 1 074 617 A2

F-MAMMA1001754//MALE SPECIFIC SPERM PROTEIN MST84DD//0.019:20:45//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q01645  
 F-MAMMA1001757//HYPOTHETICAL 9.2 KD PROTEIN IN RNPA 3'REGION//0.94:30:43//PSEUDOMONAS PUTIDA//P25753  
 5 F-MAMMA1001760//!!!! ALU SUBFAMILY SB2 WARNING ENTRY !!!!!/4.6e-34:103:59//HOMO SAPIENS (HUMAN)//P39191  
 F-MAMMA1001764  
 F-MAMMA1001768//HYPOTHETICAL PROTEIN UL61//0.042:167:33//HUMAN CYTOMEGALOVIRUS (STRAIN AD169)//P16818  
 10 F-MAMMA1001769//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/2.0e-29:97:69//HOMO SAPIENS (HUMAN)//P39194  
 F-MAMMA1001771//TRANSMEMBRANE PROTEIN SEX PRECURSOR//3.3e-09:123:32//HOMO SAPIENS (HUMAN)//P51805  
 F-MAMMA1001783//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/1.1e-09:55:61//HOMO SAPIENS (HUMAN)//P39188  
 15 F-MAMMA1001785//RAS-RELATED PROTEIN RABC//1.9e-06:120:25//DICTYOSTELIUM DISCOIDEUM (SLIME MOLD)//P34143  
 F-MAMMA1001788//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//9.3e-29:46:76//HOMO SAPIENS (HUMAN)//P08547  
 20 F-MAMMA1001790//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/4.7e-24:69:69//HOMO SAPIENS (HUMAN)//P39188  
 F-MAMMA1001806//HYPOTHETICAL 21.2 KD PROTEIN IN TOR2-MNN4 INTERGENIC REGION//0.95:58:36//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P36042  
 F-MAMMA1001812//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/8.8e-12:53:69//HOMO SAPIENS (HUMAN)//P39195  
 25 F-MAMMA1001815//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//0.11:30:70//HOMO SAPIENS (HUMAN)//P08547  
 F-MAMMA1001817//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/2.9e-16:86:55//HOMO SAPIENS (HUMAN)//P39188  
 30 F-MAMMA1001818  
 F-MAMMA1001820//VITTELLINE MEMBRANE PROTEIN VM26AB PRECURSOR (PROTEIN TU-4) (PROTEIN SV23)//0.0030:63:42//DROSOPHILA MELANOGASTER (FRUIT FLY)//P13238  
 F-MAMMA1001824//APTOTOXIN VII (PARALYTIC PEPTIDE VII) (PP VII)//0.99:26:34//APTOSTICHUS SCHLINGERI (TRAP-DOOR SPIDER)//P49271  
 35 F-MAMMA1001836//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/2.6e-35:77:88//HOMO SAPIENS (HUMAN)//P39195  
 F-MAMMA1001837//ZINC FINGER PROTEIN 191//1.3e-27:106:58//HOMO SAPIENS (HUMAN)//O14754  
 F-MAMMA1001848//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/1.0e-19:92:58//HOMO SAPIENS (HUMAN)//P39188  
 40 F-MAMMA1001851  
 F-MAMMA1001854  
 F-MAMMA1001858//ISOTOCIN-NEUROPHYSIN IT 1 PRECURSOR//0.93:42:38//CATOSTOMUS COMMERSONI (WHITE SUCKER)//P15210  
 F-MAMMA1001864//PROBABLE ABC TRANSPORTER PERMEASE PROTEIN MG189//0.77:161:27//MYCOPLASMA GENITALIUM//P47435  
 45 F-MAMMA1001868//FK506-BINDING NUCLEAR PROTEIN (PEPTIDYL-PROLYL CIS-TRANS ISOMERASE) (PPIASE) (EC 5.2.1.8) (PROLINE ROTAMASE) (NUCLEOLAR PROLINE ISOMERASE) (FKBP-70)//0.00013:219:26//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38911  
 F-MAMMA1001874//SPERM HISTONE P2 PRECURSOR (PROTAMINE MP2)//0.0075:76:31//MUS MUSCULUS (MOUSE)//P07978  
 50 F-MAMMA1001878//GLYCINE-RICH CELL WALL STRUCTURAL PROTEIN (CLONE W10-1) (FRAGMENT)//0.020:10:80//LYCOPERSICON ESCULENTUM (TOMATO)//Q01157  
 F-MAMMA1001880  
 F-MAMMA1001890//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/5.1e-34:56:83//HOMO SAPIENS (HUMAN)//P39192  
 55 F-MAMMA1001907//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/2.7e-12:44:68//HOMO SAPIENS (HUMAN)//P39194  
 F-MAMMA1001908//HYPOTHETICAL 16.2 KD PROTEIN IN PRP24-RRN9 INTERGENIC REGION//0.00013:77:

EP 1 074 617 A2

37//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//Q03525  
F-MAMMA1001931//HYPOTHETICAL 118.2 KD PROTEIN F43C1.1 IN CHROMOSOME III//0.41:106:29//  
CAENORHABDITIS ELEGANS//Q09564  
F-MAMMA1001956//OCTAPEPTIDE-REPEAT PROTEIN T2//0.00053:149:30//MUS MUSCULUS (MOUSE)//  
5 Q06666  
F-MAMMA1001963//HYPOTHETICAL PROTEIN IN NAC 5'REGION (ORF X) (FRAGMENT)//1.0:46:28//KLEB-  
SIELLA AEROGENES//Q08600  
F-MAMMA1001969//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//1.7e-34:97:68//HOMO SAPIENS (HU-  
MAN)//P08547  
10 F-MAMMA1001970//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//6.2e-07:67:37//HOMO SAPIENS (HU-  
MAN)//P08547  
F-MAMMA1001992//PROTEIN Q300//0.53:14:71//MUS MUSCULUS (MOUSE)//Q02722  
F-MAMMA1002009//PROBABLE E5 PROTEIN//0.17:56:32//HUMAN PAPILLOMAVIRUS TYPE 31//P17385  
F-MAMMA1002011//MYRISTOYLATED ALANINE-RICH C-KINASE SUBSTRATE (MARCKS) (PROTEIN KINASE  
15 C SUBSTRATE, 80 KD PROTEIN, LIGHT CHAIN) (PKCSL) (80K-L PROTEIN)//1.0:100:31//HOMO SAPIENS  
(HUMAN)//P29966  
F-MAMMA1002032//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/3.1e-21:86:65//HOMO SAPIENS (HUMAN)//  
P39188  
F-MAMMA1002033//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/8.5e-20:67:58//HOMO SAPIENS (HUMAN)//  
20 P39188  
F-MAMMA1002041//MALE SPECIFIC SPERM PROTEIN MST84DC//1.0:17:52//DROSOPHILA MELA-  
NOGASTER (FRUIT FLY)//Q01644  
F-MAMMA1002042//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/0.19:45:46//HOMO SAPIENS (HUMAN)//  
P39192  
25 F-MAMMA1002047//TYROSINE AMINOTRANSFERASE (EC 2.6.1.5) (L-TYROSINE:2-OXOGLUTARATE AMI-  
NOTRANSFERASE) (TAT)//0.0017:50:46//RATTUS NORVEGICUS (RAT)//P04694  
F-MAMMA1002056//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/3.2e-37:70:77//HOMO SAPIENS (HU-  
MAN)//P39194  
F-MAMMA1002058//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/1.1e-08:26:76//HOMO SAPIENS (HUMAN)//  
30 P39188  
F-MAMMA1002068//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//2.0e-11:78:46//HOMO SAPIENS (HU-  
MAN)//P08547  
F-MAMMA1002078//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//0.96:26:46//COTURNIX COTURNIX  
JAPONICA (JAPANESE QUAIL)//P50682  
35 F-MAMMA1002082//SUPPRESSOR PROTEIN SRP40//0.23:95:32//SACCHAROMYCES CEREVISIAE (BAK-  
ER'S YEAST)//P32583  
F-MAMMA1002084//HYPOTHETICAL 7.5 KD PROTEIN//1.0:40:35//VACCINIA VIRUS (STRAIN COPENHA-  
GEN)//P20520  
F-MAMMA1002093  
40 F-MAMMA1002108//HYPOTHETICAL 35.5 KD PROTEIN IN TRANSPOSON TN4556//0.00079:143:33//STREP-  
TOMYCES FRADIAE//P20186  
F-MAMMA1002118//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//1.0:43:34//METRIDIDIUM SENILE  
(BROWN SEA ANEMONE) (FRILLED SEA ANEMONE)//O47493  
F-MAMMA1002125//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/1.9e-14:60:68//HOMO SAPIENS (HU-  
45 MAN)//P39192  
F-MAMMA1002132  
F-MAMMA1002140//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/1.4e-24:69:65//HOMO SAPIENS (HUMAN)//  
P39188  
F-MAMMA1002143//SERUM PROTEIN MSE55//2.1e-16:166:43//HOMO SAPIENS (HUMAN)//Q00587  
50 F-MAMMA1002145//36.4 KD PROLINE-RICH PROTEIN//0.00014:84:29//LYCOPERSICON ESCULENTUM (TO-  
MATO)//Q00451  
F-MAMMA1002153  
F-MAMMA1002155  
F-MAMMA1002156//METALLOPROTEINASE INHIBITOR PRECURSOR//0.90:58:34//STREPTOMYCES NI-  
55 GRESCENS//P01077  
F-MAMMA1002158  
F-MAMMA1002170//40S RIBOSOMAL PROTEIN S2 (S4) (LLREP3 PROTEIN)//6.0e-66:157:70//HOMO SAPI-  
ENS (HUMAN)//P15880

F-MAMMA1002174//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/6.5e-25:56:64//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-MAMMA1002198//THIOREDOXIN PEROXIDASE 1 (THIOREDOXIN-DEPENDENT PEROXIDE REDUCTASE  
 1) (THIOL-SPECIFIC ANTIOXIDANT PROTEIN) (TSA) (PRP) (NATURAL KILLER CELL ENHANCING FACTOR.  
 5 B) (NKEF-B)//9.0e-09:28:100//HOMO SAPIENS (HUMAN)//P32119  
 F-MAMMA1002209//TRANSCRIPTION INITIATION FACTOR TFIID 135 KD SUBUNIT (TAFII-135) (TAFII135)  
 (TAFII-130) (TAFII130)//0.0023:132:33//HOMO SAPIENS (HUMAN)//O00268  
 F-MAMMA1002215//PROCOLLAGEN ALPHA 1(I) CHAIN PRECURSOR//0.00032:68:35//HOMO SAPIENS (HU-  
 MAN)//P02452  
 10 F-MAMMA1002219//INTRACELLULAR PROTEIN TRANSPORT PROTEIN USO1//0.0079:224:24//SACCHARO-  
 MYCES CEREVISIAE (BAKER'S YEAST)//P25386  
 F-MAMMA1002230  
 F-MAMMA1002236//TRANSLATION INITIATION FACTOR EIF-2B GAMMA SUBUNIT (EIF-2B GDP-GTP EX-  
 CHANGE FACTOR)//1.4e-118:151:94//RATTUS NORVEGICUS (RAT)//P70541  
 15 F-MAMMA1002243//WISKOTT-ALDRICH SYNDROME PROTEIN HOMOLOG (WASP)//0.028:112:33//MUS  
 MUSCULUS (MOUSE)//P70315  
 F-MAMMA1002250//T-CELL RECEPTOR BETA CHAIN PRECURSOR (ANA 11)//0.0012:80:32//ORYCTOLA-  
 GUS CUNICULUS (RABBIT)//P06333  
 F-MAMMA1002267//ATP SYNTHASE A CHAIN (EC 3.6.1.34) (PROTEIN 6)//0.17:139:28//TRYPANOSOMA  
 20 BRUCEI BRUCEI//P24499  
 F-MAMMA1002268//60S RIBOSOMAL PROTEIN L22//0.00026:163:30//DROSOPHILA MELANOGASTER  
 (FRUIT FLY)//P50887  
 F-MAMMA1002269//HISTIDINE-RICH, METAL BINDING POLYPEPTIDE//0.35:14:57//HELICOBACTER PY-  
 LORI (CAMPYLOBACTER PYLORI)//Q48251  
 25 F-MAMMA1002282//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/6.1e-05:32:65//HOMO SAPIENS (HU-  
 MAN)//P39192  
 F-MAMMA1002292//TROPOMYOSIN 2//1.4e-05:100:30//SACCHAROMYCES CEREVISIAE (BAKER'S  
 YEAST)//P40414  
 F-MAMMA1002293//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/6.8e-25:127:44//HOMO SAPIENS (HUMAN)//  
 30 P39188  
 F-MAMMA1002294//ALPHA TRANS-INDUCING PROTEIN (ALPHA-TIF)//0.00011:138:38//BOVINE HERPESVI-  
 RUS TYPE 1 (STRAIN P8-2)//P30020  
 F-MAMMA1002297//A-AGGLUTININ ATTACHMENT SUBUNIT PRECURSOR//0.15:144:30//SACCHAROMY-  
 CES CEREVISIAE (BAKER'S YEAST)//P32323  
 35 F-MAMMA1002298//PROLINE-RICH PROTEIN MP-3 (FRAGMENT)//1.0e-05:40:50//MUS MUSCULUS  
 (MOUSE)//P05143  
 F-MAMMA1002299//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 4L (EC 1.6.5.3)//0.84:65:32//STRUTHIO  
 CAMELUS (OSTRICH)//O21405  
 F-MAMMA1002308//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/4.3e-29:61:73//HOMO SAPIENS (HUMAN)//  
 40 P39188  
 F-MAMMA1002310//SPERM MITOCHONDRIAL CAPSULE SELENOPROTEIN (MCS)//0.00016:70:38//MUS  
 MUSCULUS (MOUSE)//P15265  
 F-MAMMA1002311//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/9.4e-09:84:54//HOMO SAPIENS (HU-  
 MAN)//P39189  
 45 F-MAMMA1002312//HYPOTHETICAL 10.8 KD PROTEIN IN GP30-RIII INTERGENIC REGION (URF Y)//0.48:  
 48:33//BACTERIOPHAGE T4//P33084  
 F-MAMMA1002317  
 F-MAMMA1002319//RETROVIRUS-RELATED POLYPROTEIN [CONTAINS: REVERSE TRANSCRIPTASE  
 (EC 2.7.7.49); ENDONUCLEASE]/0.011:128:27//MUS MUSCULUS (MOUSE)//P11369  
 50 F-MAMMA1002322//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/5.2e-20:92:57//HOMO SAPIENS (HU-  
 MAN)//P39195  
 F-MAMMA1002329//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//0.051:33:36//XENOPUS LAEVIS (AFRI-  
 CAN CLAWED FROG)//P03931  
 F-MAMMA1002332//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//6.5e-20:116:51//HOMO SAPIENS (HU-  
 55 MAN)//P08547  
 F-MAMMA1002333//COLLAGEN ALPHA 1(I) CHAIN (FRAGMENTS)//0.0017:214:31//BOS TAURUS (BO-  
 VINE)//P02453  
 F-MAMMA1002339//COPPER-METALLOTHIONEIN (CU-MT)//0.59:42:38//HELIX POMATIA (ROMAN SNAIL)

(EDIBLE SNAIL)//P55947  
 F-MAMMA1002347//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/0.43:26:61//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-MAMMA1002351//HYPOTHETICAL PROTEIN MJ0304//2.3e-07:139:25//METHANOCOCCUS JANNAS-  
 5 CHII//Q57752  
 F-MAMMA1002352  
 F-MAMMA1002353//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/0.00028:31:80//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-MAMMA1002355//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/4.2e-28:87:73//HOMO SAPIENS (HU-  
 10 MAN)//P39193  
 F-MAMMA1002356//RELAXIN//0.95:31:35//SQUALUS ACANTHIAS (SPINY DOGFISH)//P11953  
 F-MAMMA1002359//CHLOROPLAST 50S RIBOSOMAL PROTEIN L33//0.93:44:36//GUILLARDIA THETA  
 (CRYPTOMONAS PHI)//O78487  
 F-MAMMA1002360//LATE L2 MU CORE PROTEIN PRECURSOR (PROTEIN X)//0.94:30:43//BOVINE ADENO-  
 15 VIRUS TYPE 2 (MASTADENOVIRUS BOS2)//Q96626  
 F-MAMMA1002361//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/2.0e-08:45:68//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-MAMMA1002362//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//0.58:23:26//LUMBRICUS TERRESTRIS  
 (COMMON EARTHWORM)//Q34942  
 F-MAMMA1002380//SALIVARY GLUE PROTEIN SGS-3 PRECURSOR//0.23:100:27//DROSOPHILA SIMU-  
 20 LANS (FRUIT FLY)//P13729  
 F-MAMMA1002384  
 F-MAMMA1002385//HYPOTHETICAL 40.9 KD PROTEIN IN ORC2-TIP1 INTERGENIC REGION//3.8e-14:125:  
 37//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38241  
 F-MAMMA1002392//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//1.0:17:58//BRANCHIOSTOMALANCEO-  
 25 LATUM (COMMON LANCELET) (AMPHIOXUS)//O21003  
 F-MAMMA1002411//30S RIBOSOMAL PROTEIN S17//0.85:49:32//SYNECHOCYSTIS SP. (STRAIN PCC  
 6803)//P73311  
 F-MAMMA1002413//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 1 (EC 1.6.5.3) (FRAGMENT)//0.97:41:  
 39//DROSOPHILA AFFINIS (FRUIT FLY)//P51926  
 F-MAMMA1002417//RFBJ PROTEIN//0.99:31:35//SHIGELLA FLEXNERI//P37786  
 F-MAMMA1002427//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/1.6e-33:135:59//HOMO SAPIENS (HU-  
 MAN)//P39194  
 F-MAMMA1002428//HYPOTHETICAL PROTEIN C18//0.97:34:44//SWINEPOX VIRUS (STRAIN KASZA)  
 35 (SPV)//P32217  
 F-MAMMA1002434//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/3.1e-36:56:78//HOMO SAPIENS (HU-  
 MAN)//P39189  
 F-MAMMA1002446  
 F-MAMMA1002454//EARLY NODULIN 20 PRECURSOR (N-20)//0.77:57:45//MEDICAGO TRUNCATULA (BAR-  
 40 REL MEDIC)//P93329  
 F-MAMMA1002461//VASODILATOR-STIMULATED PHOSPHOPROTEIN (VASP)//1.3e-05:193:32//CANIS FA-  
 MILIARIS (DOG)//P50551  
 F-MAMMA1002470//HYPOTHETICAL 80.7 KD PROTEIN IN ERG7-NMD2 INTERGENIC REGION//1.0e-75:231:  
 60//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38795  
 F-MAMMA1002475//POSSIBLE GLOBAL TRANSCRIPTION ACTIVATOR SNF2L4 (SNF2-BETA) (BRG-1 PRO-  
 45 TEIN) (MITOTIC GROWTH AND TRANSCRIPTION ACTIVATOR) (BRAHMA PROTEIN HOMOLOG 1)//0.013:  
 99:30//HOMO SAPIENS (HUMAN)//P51532  
 F-MAMMA1002480//NONSTRUCTURAL PROTEIN 5B//1.0:23:43//HUMAN CORONAVIRUS (STRAIN 229E)//  
 P19741  
 F-MAMMA1002485//STANNIOCALCIN PRECURSOR//2.1e-23:88:46//HOMO SAPIENS (HUMAN)//P52823  
 F-MAMMA1002494//MOLT-INHIBITING HORMONE (MIH)//1.0:32:37//PROCAMBARUS CLARKII (RED SWAMP  
 CRAYFISH)//P55848  
 F-MAMMA1002498//6.7 KD PROTEIN (ORF 5)//1.0:26:42//BARLEY YELLOW DWARF VIRUS (ISOLATE PAV)  
 (BYDV)//P09517  
 F-MAMMA1002524//HYPOTHETICAL 117.8 KD PROTEIN IN STE2-FRS2 INTERGENIC REGION//5.0e-26:222:  
 35//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P43571  
 F-MAMMA1002530//CYTOSOLIC PHOSPHOLIPASE A2 (EC 3.1.1.4) (CPLA2) (PHOSPHATIDYLCHOLINE  
 2-ACYLHYDROLASE) / LYSOPHOSPHOLIPASE (EC 3.1.1.5)//4.5e-12:88:44//HOMO SAPIENS (HUMAN)//

P47712  
 F-MAMMA1002545//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/4.3e-29:97:71//HOMO SAPIENS (HUMAN)//P39195  
 F-MAMMA1002554//DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT (EC 2.7.7.6) (RPB1) (FRAGMENT)//0.46:54:40//CRICETULUS GRISEUS (CHINESE HAMSTER)//P11414  
 5 F-MAMMA1002556//METALLOTHIONEIN 20-I ISOFORMS A AND B (MT-20-IA AND MT-20-IB)//0.99:21:47//MYTILUS EDULIS (BLUE MUSSEL)//P80251  
 F-MAMMA1002566//TRANSCRIPTION FACTOR P65 (NUCLEAR FACTOR NF-KAPPA-B P65 SUBUNIT)//0.70:130:30//MUS MUSCULUS (MOUSE)//Q04207  
 10 F-MAMMA1002571//DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT (EC 2.7.7.6) (FRAGMENT)//0.54:45:51//DICTYOSTELIUM DISCOIDEUM (SLIME MOLD)//P35084  
 F-MAMMA1002573//PARATHYMOSIN//1.5e-07:69:46//HOMO SAPIENS (HUMAN)//P20962  
 F-MAMMA1002585//MYOSIN LIGHT CHAIN 1, SLOW-TWITCH MUSCLE B/VENTRICULAR ISOFORM (FRAGMENT)//0.38:36:36//MUS MUSCULUS (MOUSE)//P09542  
 15 F-MAMMA1002590//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/0.99:22:77//HOMO SAPIENS (HUMAN)//P39195  
 F-MAMMA1002597//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/2.1e-18:44:70//HOMO SAPIENS (HUMAN)//P39194  
 F-MAMMA1002598//60S RIBOSOMAL PROTEIN L7//1.8e-16:40:100//HOMO SAPIENS (HUMAN)//P18124  
 20 F-MAMMA1002603  
 F-MAMMA1002612//30S RIBOSOMAL PROTEIN S16 (FRAGMENT)//1.0:29:37//THERMUS AQUATICUS//O07348  
 F-MAMMA1002617//ACIDIC PROLINE-RICH PROTEIN-<sup>+</sup>PRECURSOR (CLONE PRP25) (FRAGMENT)//0.00041:81:34//RATTUS NORVEGICUS (RAT)//P10164  
 25 F-MAMMA1002618//ESCARGOT/SNAIL PROTEIN HOMOLOG (FRAGMENT)//0.11:18:50//PSYCHODA CINE-REA//Q02027  
 F-MAMMA1002619//PROBABLE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE K02C4.3 (EC 3.1.2.15) (UBIQUITIN THIOLESTERASE) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE) (DEUBIQUITINATING ENZYME)//1.8e-13:110:40//CAENORHABDITIS ELEGANS//Q09931  
 30 F-MAMMA1002622//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/8.4e-05:53:58//HOMO SAPIENS (HUMAN)//P39188  
 F-MAMMA1002623//PEPTIDYL-GLYCINE ALPHA-AMIDATING MONOOXYGENASE PRECURSOR (EC 1.14.17.3) (PAM)//2.6e-07:37:78//HOMO SAPIENS (HUMAN)//P19021  
 F-MAMMA1002625  
 35 F-MAMMA1002629//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/4.4e-19:49:73//HOMO SAPIENS (HUMAN)//P39188  
 F-MAMMA1002636//COLLAGEN ALPHA 2(VI) CHAIN (FRAGMENT)//1.7e-07:189:32//HOMO SAPIENS (HUMAN)//P12110  
 F-MAMMA1002637//KINESIN LIGHT CHAIN (KLC)//7.7e-54:227:52//RATTUS NORVEGICUS (RAT)//P37285  
 40 F-MAMMA1002646//NEUROFILAMENT TRIPLET H PROTEIN (200 KD NEUROFILAMENT PROTEIN) (NF-H)//0.034:199:25//MUS MUSCULUS (MOUSE)//P19246  
 F-MAMMA1002650//TRANSCRIPTION REGULATOR PROTEIN BACH2 (BTB AND CNC HOMOLOG 2)//1.7e-07:104:32//MUS MUSCULUS (MOUSE)//P97303  
 F-MAMMA1002655//SMALL PROLINE-RICH PROTEIN II (SPR-II) (CLONE 174N)//1.0:25:44//HOMO SAPIENS (HUMAN)//P22532  
 45 F-MAMMA1002662  
 F-MAMMA1002665//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/2.3e-07:54:57//HOMO SAPIENS (HUMAN)//P39194  
 F-MAMMA1002671//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL-AC-TIVATING ENZYME)//1.4e-10:144:31//ESCHERICHIA COLI//P27550  
 50 F-MAMMA1002673//BREVICAN CORE PROTEIN PRECURSOR//0.76:64:39//BOS TAURUS (BOVINE)//Q28062  
 F-MAMMA1002684//HYPOTHETICAL 11.8 KD PROTEIN IN GP55-NRDG INTERGENIC REGION//0.094:77:27//BACTERIOPHAGE T4//P07079  
 55 F-MAMMA1002685//COLLAGEN ALPHA 1(I) CHAIN (FRAGMENTS)//0.0017:177:34//RATTUS NORVEGICUS (RAT)//P02454  
 F-MAMMA1002698  
 F-MAMMA1002699//HYPOTHETICAL 45.1 KD PROTEIN IN RPS5-ZMS1 INTERGENIC REGION//1.2e-28:127:

# EP 1 074 617 A2

47//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P47160  
 F-MAMMA1002701//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/1.0:14:92//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-MAMMA1002708//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/7.9e-27:52:65//HOMO SAPIENS (HU-  
 5 MAN)//P39193  
 F-MAMMA1002711//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/3.7e-24:54:75//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-MAMMA1002721  
 F-MAMMA1002727//SOX-13 PROTEIN (FRAGMENT)//0.70:36:38//MUS MUSCULUS (MOUSE)//Q04891  
 10 F-MAMMA1002728//HYPOTHETICAL 6.0 KD PROTEIN//1.0:25:44//THERMOPROTEUS TENAX VIRUS 1  
 (STRAIN KRA1) (TTV1)//P19305  
 F-MAMMA1002744//HYPOTHETICAL 13.4 KD PROTEIN IN ACT5-YCK1 INTERGENIC REGION//1.0:52:34//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38834  
 F-MAMMA1002746//HYPOTHETICAL 5.6 KD PROTEIN (ORF A-45)//1.0:22:40//SULFOLOBUS VIRUS-LIKE  
 15 PARTICLE SSV1//P20198  
 F-MAMMA1002748  
 F-MAMMA1002754//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/5.1e-21:56:64//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-MAMMA1002758//MALE SPECIFIC SPERM PROTEIN MST84DD//0.37:14:64//DROSOPHILA MELA-  
 20 NOGASTER (FRUIT FLY)//Q01645  
 F-MAMMA1002764//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/4.7e-32:79:60//HOMO SAPIENS (HU-  
 MAN)//P39194  
 F-MAMMA1002765//PARATHYMOSIN//0.79:63:28//BOS TAURUS (BOVINE)//P08814  
 F-MAMMA1002769//GAR2 PROTEIN//0.00037:192:27//SCHIZOSACCHAROMYCES POMBE (FISSION  
 25 YEAST)//P41891  
 F-MAMMA1002775//HYPOTHETICAL 36.7 KD PROTEIN C2F7.14C IN CHROMOSOME I//5.4e-54:240:49//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09704  
 F-MAMMA1002780  
 F-MAMMA1002782//MARGATOXIN (MGTX)//1.0:31:38//CENTRUROIDES MARGARITATUS (SCORPION)//  
 30 P40755  
 F-MAMMA1002796//ICE NUCLEATION PROTEIN//0.0018:100:41//PSEUDOMONAS FLUORESCENS//  
 P09815  
 F-MAMMA1002807//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/9.3e-23:100:59//HOMO SAPIENS (HUMAN)//  
 P39188  
 35 F-MAMMA1002820//NEUROTOXIN IV (LQQ IV)//1.0:18:50//LEIURUS QUINQUESTRIATUS QUINQUESTRIA-  
 TUS (EGYPTIAN SCORPION)//P01489  
 F-MAMMA1002830//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/4.7e-24:55:74//HOMO SAPIENS (HU-  
 MAN)//P39195  
 F-MAMMA1002833//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/2.6e-31:95:73//HOMO SAPIENS (HU-  
 40 MAN)//P39189  
 F-MAMMA1002835//HYPOTHETICAL 42.1 KD PROTEIN F13G3.3 IN CHROMOSOME I//1.0:54:37//  
 CAENORHABDITIS ELEGANS//Q19417  
 F-MAMMA1002838//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/2.5e-27:99:70//HOMO SAPIENS (HU-  
 MAN)//P39193  
 45 F-MAMMA1002842//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/2.3e-13:65:63//HOMO SAPIENS (HU-  
 MAN)//P39195  
 F-MAMMA1002843//METALLOTHIONEIN-II (MT-II)//0.97:19:47//MUS MUSCULUS (MOUSE)//P02798  
 F-MAMMA1002844//HYPOTHETICAL 24.1 KD PROTEIN IN LEF4-P33 INTERGENIC REGION//4.9e-08:119:36//  
 AUTOGRAPHA CALIFORNICA NUCLEAR POLYHEDROSIS VIRUS (ACMPNV)//P41479  
 50 F-MAMMA1002858//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//0.98:37:37//PAN TROGLODYTES  
 (CHIMPANZEE)//Q35647  
 F-MAMMA1002868//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/3.8e-10:51:62//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-MAMMA1002869//PINCH PROTEIN (PARTICULARY INTERESTING NEW CYS-HIS PROTEIN)//1.8e-95:194:  
 55 78//HOMO SAPIENS (HUMAN)//P48059  
 F-MAMMA1002871//G-PROTEIN COUPLED RECEPTOR HOMOLOG R33//1.0:51:35//RAT CYTOMEGALOVIR-  
 US (STRAIN MAASTRICHT)//O12000  
 F-MAMMA1002880



F-MAMMA1002881//GLIOMA PATHOGENESIS-RELATED PROTEIN (RTVP-1 PROTEIN)//3.3e-22:180:35//HOMO SAPIENS (HUMAN)//P48060  
F-MAMMA1002886//MYOSIN HEAVY CHAIN IB (MYOSIN HEAVY CHAIN IL)//0.00011:148:39//ACANTHAMOEBA CASTELLANII (AMOEBA)//P19706  
5 F-MAMMA1002887  
F-MAMMA1002890//A-AGGLUTININ ATTACHMENT SUBUNIT PRECURSOR//0.030:142:25//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P32323  
F-MAMMA1002892  
F-MAMMA1002895//HYPOTHETICAL PROTEIN UL61//0.00099:143:35//HUMAN CYTOMEGALOVIRUS  
10 (STRAIN AD169)//P16818  
F-MAMMA1002908//T-CELL RECEPTOR BETA CHAIN PRECURSOR (ANA 11)//0.12:44:43//ORYCTOLAGUS CUNICULUS (RABBIT)//P06333  
F-MAMMA1002909//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/0.00011:28:75//HOMO SAPIENS (HUMAN)//P39188  
15 F-MAMMA1002930//BOMBYXIN A-7 PRECURSOR (BBX-A7) (4K-PROTHORACICOTROPIC HORMONE) (4K-PTTH)//0.99:45:46//BOMBYX MORI (SILK MOTH)//P26730  
F-MAMMA1002937//ZINC FINGER PROTEIN 42 (MYELOID ZINC FINGER 1) (MZF-1)//6.5e-24:147:34//HOMO SAPIENS (HUMAN)//P28698  
F-MAMMA1002938//CERULOPLASMIN PRECURSOR (EC 1.16.3.1) (FERROXIDASE)//4.7e-11:44:68//MUS MUSCULUS (MOUSE)//Q61147  
20 F-MAMMA1002941//PROTEIN Q300//0.0076:21:61//MUS MUSCULUS (MOUSE)//Q02722  
F-MAMMA1002947//HYPOTHETICAL 35.5 KD PROTEIN IN TRANSPOSON TN4556//1.9e-08:152:38//STREPTOMYCES FRADIAE//P20186  
F-MAMMA1002964  
25 F-MAMMA1002970//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/0.0057:55:43//HOMO SAPIENS (HUMAN)//P39189  
F-MAMMA1002972//BRAIN-SPECIFIC HOMEBOX/POU DOMAIN PROTEIN 3A (BRN-3A) (OCT-T1) (HOMEBOX/POU DOMAIN PROTEIN RDC-1)//0.84:53:41//HOMO SAPIENS (HUMAN)//Q01851  
F-MAMMA1002973//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/4.6e-11:54:68//HOMO SAPIENS (HUMAN)//P39192  
30 F-MAMMA1002982  
F-MAMMA1002987//HYPOTHETICAL 11.9 KD PROTEIN IN RPC8-MFA2 INTERGENIC REGION//0.17:47:29//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53906  
F-MAMMA1003003//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/8.6e-09:30:73//HOMO SAPIENS (HUMAN)//P39195  
35 F-MAMMA1003004//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/0.0071:41:58//HOMO SAPIENS (HUMAN)//P39195  
F-MAMMA1003007//SPERM PROTAMINE P1//0.0076:51:37//TACHYGLOSSUS ACULEATUS ACULEATUS (AUSTRALIAN ECHIDNA)//P35311  
40 F-MAMMA1003011//HISTONE MACRO-H2A.1//1.8e-60:175:70//RATTUS NORVEGICUS (RAT)//Q02874  
F-MAMMA1003013//ACTIN BINDING PROTEIN//0.097:83:31//SACCHAROMYCES EXIGUUS (YEAST)//P38479  
F-MAMMA1003015  
F-MAMMA1003019//MYOTUBULARIN//0.022:56:37//HOMO SAPIENS (HUMAN)//Q13496  
45 F-MAMMA1003026//HYPOTHETICAL 29.3 KD PROTEIN (ORF92)//0.0014:208:27//ORGYIA PSEUDOTSUGATA MULTICAPSID POLYHEDROSIS VIRUS (OPMNPV)//O10341  
F-MAMMA1003031//PROBABLE E4 PROTEIN (E1^E4)//0.14:49:32//HUMAN PAPILLOMAVIRUS TYPE 6B//P06459  
F-MAMMA1003035//HYPOTHETICAL 24.4 KD PROTEIN IN LPD 3'REGION (ORF4)//5.1e-12:112:34//ZYMOMONAS MOBILIS//O66114  
50 F-MAMMA1003039//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/2.4e-07:68:54//HOMO SAPIENS (HUMAN)//P39188  
F-MAMMA1003040//!!!! ALU SUBFAMILY SB1 WARNING ENTRY !!!!!/2.8e-39:90:57//HOMO SAPIENS (HUMAN)//P39190  
55 F-MAMMA1003044  
F-MAMMA1003047//SPERM HISTONE P2 PRECURSOR (PROTAMINE 2)//0.18:25:44//BOS TAURUS (BOVINE)//P19782  
F-MAMMA1003049//PROBABLE E4 PROTEIN//0.50:67:29//HUMAN PAPILLOMAVIRUS TYPE 6C//P20969

# EP 1 074 617 A2

F-MAMMA1003055//WEAK TOXIN CM-2//0.99:23:30//NAJA HAJE HAJE (EGYPTIAN COBRA)//P01415  
 F-MAMMA1003056//EXPORTED PROTEIN 7 (FRAGMENT)//1.0:52:32//STREPTOCOCCUS PNEUMONIAE//  
 P35597  
 F-MAMMA1003057//MD6 PROTEIN//1.5e-85:168:95//MUS MUSCULUS (MOUSE)//Q60584  
 5 F-MAMMA1003066//REGB PROTEIN//1.0:62:27//PSEUDOMONAS AERUGINOSA//Q03381  
 F-MAMMA1003089//!!!! ALU SUBFAMILY SB1 WARNING ENTRY !!!!//5.1e-15:44:77//HOMO SAPIENS (HU-  
 MAN)//P39190  
 F-MAMMA1003099//ENDOTHELIAL ACTIN-BINDING PROTEIN (ABP-280) (NONMUSCLE FILAMIN) (FILAMIN  
 1)//4.8e-20:80:62//HOMO SAPIENS (HUMAN)//P21333  
 10 F-MAMMA1003104//PHOTOSYSTEM I REACTION CENTRE SUBUNIT VIII//0.98:22:40//SYNECHOCOCCUS  
 ELONGATUS NAEGELI//P25900  
 F-MAMMA1003113//PROCOLLAGEN ALPHA 2(I) CHAIN PRECURSOR (FRAGMENTS)//0.67:35:45//GALLUS  
 GALLUS (CHICKEN)//P02467  
 F-MAMMA1003127//MYOSIN I ALPHA (MMI-ALPHA)//5.2e-34:141:56//MUS MUSCULUS (MOUSE)//P46735  
 15 F-MAMMA1003135//HYPOTHETICAL 182.0 KD PROTEIN IN NMD5-HOM6 INTERGENIC REGION//3.6e-05:91:  
 34//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P47170  
 F-MAMMA1003140  
 F-MAMMA1003146//MALE SPECIFIC SPERM PROTEIN MST87F//1.0:33:36//DROSOPHILA MELANOGASTER  
 (FRUIT FLY)//P08175  
 20 F-MAMMA1003150//HYPOTHETICAL 84.3 KD PROTEIN ZK945.10 IN CHROMOSOME II//4.4e-10:254:30//  
 CAENORHABDITIS ELEGANS//Q09625  
 F-MAMMA1003166//BRAIN PROTEIN H5//4.0e-42:182:48//HOMO SAPIENS (HUMAN)//O43236  
 F-NT2RM1000001//HYPOTHETICAL 8.7 KD PROTEIN IN RPL22-RPL23 INTERGENIC REGION (ORF70)//0.15:  
 38:34//ASTASIA LONGA (EUGLENOPHYCEAN ALGA)//P34779  
 25 F-NT2RM1000018  
 F-NT2RM1000032//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//0.51:17:41//CYPRINUS CARPIO (COM-  
 MON CARP)//P24948  
 F-NT2RM1000035//3-HYDROXY-3-METHYLGLUTARYL-COENZYME A REDUCTASE (EC 1.1.1.34) (HMG-COA  
 REDUCTASE)//0.00011:114:27//BLATTELLA GERMANICA (GERMAN COCKROACH)//P54960  
 30 F-NT2RM1000037//METALLOTHIONEIN-II (MT-II)//0.025:19:47//SCYLLA SERRATA (MUD CRAB)//P02806  
 F-NT2RM1000039//VITELLINE MEMBRANE VM34CA PROTEIN PRECURSOR//0.00083:84:33//DROSOPHILA  
 MELANOGASTER (FRUIT FLY)//Q06521  
 F-NT2RM1000055//HISTIDINE-RICH GLYCOPROTEIN PRECURSOR//1.1e-07:34:55//PLASMODIUM LOPHU-  
 RAE//P04929  
 35 F-NT2RM1000059//MYOCYTE-SPECIFIC ENHANCER FACTOR 2B (SERUM RESPONSE FACTOR-LIKE PRO-  
 TEIN 2) (XMEF2) (RSRFR2)//0.18:83:36//HOMO SAPIENS (HUMAN)//Q02080  
 F-NT2RM1000062//PROLINE-RICH PEPTIDE P-B//0.54:34:44//HOMO SAPIENS (HUMAN)//P02814  
 F-NT2RM1000080//HYPOTHETICAL 35.7 KD PROTEIN SLR1128//2.1e-20:119:40//SYNECHOCYSTIS SP.  
 (STRAIN PCC 6803)//P72655  
 40 F-NT2RM1000086//SALIVARY PROLINE-RICH PROTEIN PO (ALLELE K) [CONTAINS: PEPTIDE P-D] (FRAG-  
 MENT)//0.20:56:35//HOMO SAPIENS (HUMAN)//P10162  
 F-NT2RM1000092//COLLAGEN-LIKE PROTEIN//0.0017:44:45//HERPESVIRUS SAIMIRI (SUBGROUP C /  
 STRAIN 488)//P22576  
 F-NT2RM1000118//CALCINEURIN B SUBUNIT (PROTEIN PHOSPHATASE 2B REGULATORY SUBUNIT) (CAL-  
 CINEURIN REGULATORY SUBUNIT)//5.7e-07:109:28//NEUROSPORA CRASSA//P87072  
 45 F-NT2RM1000119//TRANSCRIPTIONAL REGULATOR IE63 (VMW63) (ICP27)//0.0050:135:32//HERPES SIM-  
 PLEX VIRUS (TYPE 2 / STRAIN HG52)//P28276  
 F-NT2RM1000127//EXTENSIN PRECURSOR (PROLINE-RICH GLYCOPROTEIN)//0.032:68:32//SORGHUM  
 VULGARE (SORGHUM)//P24152  
 50 F-NT2RM1000131//METALLOTHIONEIN-III (MT-III) (GROWTH INHIBITORY FACTOR) (GIF)//0.82:33:39//BOS  
 TAURUS (BOVINE)//P37359  
 F-NT2RM1000132//NADH-UBIQUINONE OXIDOREDUCTASE 13 KD-A SUBUNIT PRECURSOR (EC 1.6.5.3)  
 (EC 1.6.99.3) (COMPLEX I-13KD-A) (CI-13KD-A)//2.7e-59:124:91//HOMO SAPIENS (HUMAN)//O75380  
 F-NT2RM1000153//CYTOSOLIC PURINE 5'-NUCLEOTIDASE (EC 3.1.3.5)//2.5e-08:148:29//HOMO SAPIENS  
 55 (HUMAN)//P49902  
 F-NT2RM1000186//CALCINEURIN B SUBUNIT (PROTEIN PHOSPHATASE 2B REGULATORY SUBUNIT) (CAL-  
 CINEURIN REGULATORY SUBUNIT)//1.9e-07:109:27//NEUROSPORA CRASSA//P87072  
 F-NT2RM1000187//PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE

# EP 1 074 617 A2

SPAC10F6.02C//1.0e-12:94:46//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//O42643  
 F-NT2RM1000199//CUTICLE COLLAGEN 12 PRECURSOR//0.46:130:33//CAENORHABDITIS ELEGANS//  
 P20630  
 5 F-NT2RM1000242//PUTATIVE ATP SYNTHASE J CHAIN, MITOCHONDRIAL (EC 3.6.1.34)//0.85:38:36//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//O13931  
 F-NT2RM1000244//HYPOTHETICAL 131.5 KD PROTEIN C02F12.7 IN CHROMOSOME X//0.0055:98:36//  
 CAENORHABDITIS ELEGANS//Q11102  
 F-NT2RM1000252//TRICHOHYALIN//2.9e-06:88:36//OVIS ARIES (SHEEP)//P22793  
 10 F-NT2RM1000256//GLUCOSAMINE--FRUCTOSE-6-PHOSPHATE AMINOTRANSFERASE [ISOMERIZING]  
 (EC 2.6.1.16) (HEXOSEPHOSPHATE AMINOTRANSFERASE) (D-FRUCTOSE-6- PHOSPHATE AMIDOTRANS-  
 FERASE) (GFAT)//2.9e-54:153:67//MUS MUSCULUS (MOUSE)//P47856  
 F-NT2RM1000257//MAGO NASHI PROTEIN//5.9e-64:136:89//DROSOPHILA MELANOGASTER (FRUIT FLY)//  
 P49028  
 F-NT2RM1000260  
 15 F-NT2RM1000271//GALACTOKINASE (EC 2.7.1.6)//0.99:41:39//BACILLUS SUBTILIS//P39574  
 F-NT2RM1000272//HYPOTHETICAL 55.5 KD PROTEIN ZK1128.2 IN CHROMOSOME III//8.8e-25:131:45//  
 CAENORHABDITIS ELEGANS//Q09357  
 F-NT2RM1000280//VACUOLAR ATP SYNTHASE SUBUNIT D (EC 3.6.1.34) (V-ATPASE D SUBUNIT) (V- AT-  
 PASE 28 KD ACCESSORY PROTEIN)//2.5e-63:121:94//BOS TAURUS (BOVINE)//P39942  
 20 F-NT2RM1000300//TREACLE PROTEIN (TREACHER COLLINS SYNDROME PROTEIN)//0.51:145:26//HOMO  
 SAPIENS (HUMAN)//Q13428  
 F-NT2RM1000314  
 F-NT2RM1000318//50S RIBOSOMAL PROTEIN L23//0.83:28:35//AQUIFEX AEOLICUS//O66433  
 F-NT2RM1000341  
 25 F-NT2RM1000354//HYPOTHETICAL 5.8 KD PROTEIN IN PUHA 5'REGION (ORF55)//0.95:43:37//RHODO-  
 BACTER CAPSULATUS (RHODOPSEUDOMONAS CAPSULATA)//P26159  
 F-NT2RM1000355//SPERM-SPECIFIC PROTEIN PHI-1//0.0016:73:43//MYTILUS EDULIS (BLUE MUSSEL)//  
 Q04621  
 F-NT2RM1000365//HYPOTHETICAL PROTEIN KIAA0140//3.5e-10:83:49//HOMO SAPIENS (HUMAN)//  
 30 Q14153  
 F-NT2RM1000377//DUAL SPECIFICITY PROTEIN PHOSPHATASE 9 (EC 3.1.3.48) (EC 3.1.3.16) (MITOGEN-  
 ACTIVATED PROTEIN KINASE PHOSPHATASE 4) (MAP KINASE PHOSPHATASE 4) (MKP-4)//4.9e-18:113:  
 38//HOMO SAPIENS (HUMAN)//Q99956  
 F-NT2RM1000388//HYPOTHETICAL 27.7 KD PROTEIN IN CPT1-SPC98 INTERGENIC REGION//0.00023:67:  
 35 31//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53915  
 F-NT2RM1000394//HISTONE H3.3 (H3.B) (H3.3Q)//4.7e-52:71:91//HOMO SAPIENS (HUMAN), MUS MUSCU-  
 LUS (MOUSE), RATTUS NORVEGICUS (RAT), ORYCTOLAGUS CUNICULUS (RABBIT), GALLUS GALLUS  
 (CHICKEN), SPISULA SOLIDISSIMA (ATLANTIC SURF-CLAM), DROSOPHILA MELANOGASTER (FRUIT FLY),  
 AND DROSOPHILA HYDEI (FRUIT FLY)//P06351  
 40 F-NT2RM1000399//ENDOTHELIN-2 PRECURSOR (ET-2) (FRAGMENT)//0.92:24:45//CANIS FAMILIARIS  
 (DOG)//P12064  
 F-NT2RM1000421//CUTICLE COLLAGEN 2C (FRAGMENT)//0.12:93:33//HAEMONCHUS CONTORTUS//  
 P16252  
 F-NT2RM1000430//PISTIL-SPECIFIC EXTENSIN-LIKE PROTEIN PRECURSOR (PELP)//0.13:86:31//NICO-  
 45 TIANA TABACUM (COMMON TOBACCO)//Q03211  
 F-NT2RM1000499//HYPOTHETICAL PROTEIN KIAA0041 (FRAGMENT)//2.9e-17:75:49//HOMO SAPIENS  
 (HUMAN)//Q15057  
 F-NT2RM1000539//HYPOTHETICAL 10.4 KD PROTEIN IN FTR1-SPT15 INTERGENIC REGION//2.9e-16:82:  
 51//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40089  
 50 F-NT2RM1000553//GLYCOLIPID TRANSFER PROTEIN (GLTP)//6.4e-06:103:33//SUS SCROFA (PIG)//  
 P17403  
 F-NT2RM1000555//UNR PROTEIN//8.7e-77:105:95//RATTUS NORVEGICUS (RAT)//P18395  
 F-NT2RM1000563//DNA-BINDING P52/P100 COMPLEX, 100 KD SUBUNIT (FRAGMENTS)//0.15:20:50//HO-  
 MO SAPIENS (HUMAN)//P30808  
 55 F-NT2RM1000623//CLARA CELL PHOSPHOLIPID-BINDING PROTEIN PRECURSOR (CCBP) (CLARA CELLS  
 10 KD SECRETORY PROTEIN) (CC10)//0.17:70:34//HOMO SAPIENS (HUMAN)//P11684  
 F-NT2RM1000648//GLYCOSYLTRANSFERASE ALG2 (EC 2.4.1.-)//2.0e-22:133:42//SACCHAROMYCES CER-  
 EVISIAE (BAKER'S YEAST)//P43636

# EP 1 074 617 A2

F-NT2RM1000661//METALLOTHIONEIN-III (MT-III) (GROWTH INHIBITORY FACTOR) (GIF) (GIFB)//0.0060:24:33//HOMO SAPIENS (HUMAN)//P25713  
F-NT2RM1000666//COLD SHOCK PROTEIN SCOF//9.1e-07:67:41//STREPTOMYCES COELICOLOR//P48859  
5 F-NT2RM1000669//CHLOROPLAST 50S RIBOSOMAL PROTEIN L31//0.071:69:31//PORPHYRA PURPUREA//P51290  
F-NT2RM1000672//SIGNAL RECOGNITION PARTICLE SEC65 SUBUNIT (FRAGMENT)//0.27:42:42//KLUYVEROMYCES LACTIS (YEAST)//O13475  
10 F-NT2RM1000691//RETINOBLASTOMA BINDING PROTEIN 2 (RBBP-2)//4.3e-42:241:42//HOMO SAPIENS (HUMAN)//P29375  
F-NT2RM1000699//N2,N2-DIMETHYLGUANOSINE TRNA METHYLTRANSFERASE PRECURSOR (EC 2.1.1.32)//0.94:48:37//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P15565  
F-NT2RM1000702//GUANINE NUCLEOTIDE-BINDING PROTEIN BETA SUBUNIT 1//0.0013:139:25//DROSOPHILA MELANOGASTER (FRUIT FLY)//P26308  
15 F-NT2RM1000725//BASIC PROLINE-RICH PEPTIDE P-E (IB-9)//1.0:15:60//HOMO SAPIENS (HUMAN)//P02811  
F-NT2RM1000741//STATHMIN (CLONE XO20) (FRAGMENT)//1.0:53:32//XENOPUS LAEVIS (AFRICAN CLAWED FROG)//Q09005  
F-NT2RM1000742//HYPOTHETICAL 24.1 KD PROTEIN IN DHFR 3'REGION (ORF2)//1.0:54:42//HERPESVIRUS SAIMIRI (STRAIN 484-77)//P25049  
20 F-NT2RM1000746//HYPOTHETICAL 16.8 KD PROTEIN C29E6.04 IN CHROMOSOME I//0.11:87:21//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09858  
F-NT2RM1000770//DXS6673E PROTEIN//2.0e-38:190:48//HOMO SAPIENS (HUMAN)//Q14202  
F-NT2RM1000772//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1//4.3e-12:141:30//PODOSPORA ANSERINA//Q00808  
25 F-NT2RM1000780//MALE SPECIFIC SPERM PROTEIN MST87F//0.98:34:38//DROSOPHILA MELANOGASTER (FRUIT FLY)//P08175  
F-NT2RM1000781  
F-NT2RM1000800//24.1 KD PROTEIN IN VMA12-APN1 INTERGENIC REGION//7.9e-11:135:34//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P28707  
30 F-NT2RM1000802//ALPHA-AMYLASE INHIBITOR PAIM I (PIG PANCREATIC ALPHA-AMYLASE INHIBITOR OF MICROBES I)//0.43:62:35//STREPTOMYCES OLIVACEOVIRIDIS (STREPTOMYCES CORCHORUSII)//P09921  
F-NT2RM1000811  
35 F-NT2RM1000826//UNR PROTEIN//1.1e-110:144:83//RATTUS NORVEGICUS (RAT)//P18395  
F-NT2RM1000829//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//1.0:38:34//DROSOPHILA SIMULANS (FRUIT FLY)//P50270  
F-NT2RM1000833//PROTEIN TRANSPORT PROTEIN SEC61 ALPHA SUBUNIT//1.4e-62:145:841//CANIS FAMILIARIS (DOG)//P38377  
40 F-NT2RM1000850//TESTIS-SPECIFIC PROTEIN KINASE 1 (EC 2.7.1.-)//6.1e-08:136:33//RATTUS NORVEGICUS (RAT)//Q63572  
F-NT2RM1000852//ATP-DEPENDENT RNA HELICASE ROK1//1.6e-34:212:43//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P45818  
F-NT2RM1000857//HISTONE H1.M6.1//0.76:31:48//TRYPANOSOMA CRUZI//P40273  
45 F-NT2RM1000867//MICROSOMAL SIGNAL PEPTIDASE 10.8 KD SUBUNIT (EC 3.4.-.-)//0.0082:76:25//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P46965  
F-NT2RM1000874//DNA-BINDING P52/P100 COMPLEX, 100 KD SUBUNIT (FRAGMENTS)//0.38:12:58//HOMO SAPIENS (HUMAN)//P30808  
F-NT2RM1000882//CYTOCHROME B5//9.0e-13:92:38//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40312  
50 F-NT2RM1000883//DNA-BINDING P52/P100 COMPLEX, 100 KD SUBUNIT (FRAGMENTS)//0.79:22:59//HOMO SAPIENS (HUMAN)//P30808  
F-NT2RM1000885//HYPOTHETICAL 5.8 KD PROTEIN//0.76:18:38//CLOVER YELLOW MOSAIC VIRUS (CYMV)//P16485  
55 F-NT2RM1000894//DNA-DIRECTED RNA POLYMERASE I135 KD POLYPEPTIDE (EC 2.7.7.6) (RNA POLYMERASE I SUBUNIT 2) (RPA135) (RNA POLYMERASE I 127 KD SUBUNIT)//6.2e-70:153:88//RATTUS NORVEGICUS (RAT)//O54888  
F-NT2RM1000898//ACTIN, CYTOPLASMIC (ACTIN, MICRONUCLEAR)//4.3e-12:159:28//OXYTRICHA FAL-

LAX//P02583  
 F-NT2RM1000905//GLUTATHIONE S-TRANSFERASE 1-1 (EC 2.5.1.18) (CLASS-THETA)//0.98:39:35//LUCILIA  
 CUPRINA (GREENBOTTLE FLY) (AUSTRALIAN SHEEP BLOWFLY)//P42860  
 5 F-NT2RM1000924//HYPOTHETICAL 39.7 KD PROTEIN C34E10.2 IN CHROMOSOME III//1.3e-11:169:28//  
 CAENORHABDITIS ELEGANS//P46577  
 F-NT2RM1000927//CUTICLE COLLAGEN 1//0.00048:141:31//CAENORHABDITIS ELEGANS//P08124  
 F-NT2RM1000962//HYPOTHETICAL 35.8 KD PROTEIN C4F8.04 IN CHROMOSOME I//7.1e-13:169:31//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//O14180  
 F-NT2RM1000978//HYPOTHETICAL 20.2 KD PROTEIN IN MNN4-PTK1 INTERGENIC REGION//0.61:82:34//  
 10 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P36045  
 F-NT2RM1001003//ALPHA-2 CATENIN (ALPHA N-CATENIN) (NEURAL ALPHA-CATENIN)//1.6e-21:211:31//  
 GALLUS GALLUS (CHICKEN)//P30997  
 F-NT2RM1001008//HYPOTHETICAL 72.5 KD PROTEIN C2F7.10 IN CHROMOSOME I//3.2e-15:119:36//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09701  
 15 F-NT2RM1001043//ENDOTHELIN-1 (ET-1) (FRAGMENT)//0.78:32:34//MACACA FASCICULARIS (CRAB EAT-  
 ING MACAQUE) (CYNOMOLGUS MONKEY)//Q28469  
 F-NT2RM1001044  
 F-NT2RM1001059//LORICRIN//8.6e-08:108:39//HOMO SAPIENS (HUMAN)//P23490  
 F-NT2RM1001066//METALLOTHIONEIN-LIKE PROTEIN TYPE 2//0.99:24:50//LYCOPERSICON ESCULEN-  
 20 TUM (TOMATO)//Q43513  
 F-NT2RM1001072//1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE GAMMA 1  
 (EC 3.1.4.11) (PLC-GAMMA-1) (PHOSPHOLIPASE C-GAMMA-1) (PLC-II) (PLC-148)//4.7e-15:148:33//HOMO  
 SAPIENS (HUMAN)//P19174  
 F-NT2RM1001074//HYPOTHETICAL PROTEIN F-215//8.6e-05:126:30//HUMAN ADENOVIRUS TYPE 2//  
 25 P03291  
 F-NT2RM1001082//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/6.5e-19:75:54//HOMO SAPIENS (HUMAN)//  
 P39195  
 F-NT2RM1001085//MALE SPECIFIC SPERM PROTEIN MST84DB//0.49:29:41//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY)//Q01643  
 30 F-NT2RM1001092//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1)//2.8e-42:200:38//HOMO SA-  
 PIENS (HUMAN)//P51522  
 F-NT2RM1001102//HYPOTHETICAL 62.8 KD PROTEIN IN TAF145-YOR1 INTERGENIC REGION//1.7e-18:161:  
 36//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53331  
 F-NT2RM1001105//HYPOTHETICAL 35.5 KD PROTEIN IN TRANSPOSON TN4556//4.0e-05:157:35//STREP-  
 35 TOMYCES FRADIAE//P20186  
 F-NT2RM1001112//NONHISTONE CHROMOSOMAL PROTEIN HMG-17//0.18:20:55//BOS TAURUS (BO-  
 VINE)//P02313  
 F-NT2RM1001115  
 F-NT2RM1001139//GLYCINE-RICH CELL WALL STRUCTURAL PROTEIN 1.8 PRECURSOR (GRP 1.8)//2.0e-  
 40 25:156:46//PHASEOLUS VULGARIS (KIDNEY BEAN) (FRENCH BEAN)//P10496  
 F-NT2RM2000006//MITOCHONDRIAL RIBOSOMAL PROTEIN S12//0.76:45:35//LEISHMANIA TARENTOLAE  
 (SAUROLEISHMANIA TARENTOLAE)//Q34940  
 F-NT2RM2000013//DNA-DIRECTED RNA POLYMERASE III 128 KD POLYPEPTIDE (EC 2.7.7.6) (RNA  
 POLYMERASE III SUBUNIT 2)//3.9e-87:238:65//DROSOPHILA MELANOGASTER (FRUIT FLY)//P25167  
 45 F-NT2RM2000030//TOXINS 1 AND 2//0.98:21:42//TRIMERESURUS WAGLERI (WAGLER'S PIT VIPER)  
 (TROPIDOLAEMUS WAGLERI)//P24335  
 F-NT2RM2000032//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/0.00059:53:49//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-NT2RM2000042//SMALL PROLINE-RICH PROTEIN II (SPR-II) (CLONE 174N)//1.0:68:26//HOMO SAPIENS  
 50 (HUMAN)//P22532  
 F-NT2RM2000092//HYPOTHETICAL 67.5 KD PROTEIN IN PRPS4-STE20 INTERGENIC REGION//7.0e-11:80:  
 40//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38748  
 F-NT2RM2000093//OVARY MATURATING PARSIN (OMP)//1.0:26:38//LOCUSTA MIGRATORIA (MIGRATORY  
 LOCUST)//P80045  
 55 F-NT2RM2000101//HYPOTHETICAL 39.3 KD PROTEIN C02B8.6 IN CHROMOSOME X//3.3e-09:56:35//  
 CAENORHABDITIS ELEGANS//Q11096  
 F-NT2RM2000124//CAMP-DEPENDENT PROTEIN KINASE, ALPHA-CATALYTIC SUBUNIT (EC 2.7.1.37) (PKA  
 C-ALPHA)//3.1e-35:77:96//MUS MUSCULUS (MOUSE)//P05132

F-NT2RM2000191//3',5'-CYCLIC-NUCLEOTIDE PHOSPHODIESTERASE REGA (EC 3.1.4.17) (PDEASE REGA)//3.3e-05:181:27//DICTYOSTELIUM DISCOIDEUM (SLIME MOLD)//Q23917  
 F-NT2RM2000192//REPLICATION PROTEIN E1 (FRAGMENTS)//0.019:148:25//COTTONTAIL RABBIT (SHOPE) PAPILLOMAVIRUS (STRAIN WASHINGTON B) (CRPV)//P51894  
 5 F-NT2RM2000239//PROLINE-RICH PROTEIN MP-3 (FRAGMENT)//0.00032:111:32//MUS MUSCULUS (MOUSE)//P05143  
 F-ntntntntntntntnt//METALLOTHIONEIN-LIKE PROTEIN TYPE 2//0.046:59:33//LYCOPERSICON ESCULENTUM (TOMATO)//Q43512  
 10 F-NT2RM2000250//GALECTIN-3 (GALACTOSE-SPECIFIC LECTIN 3) (MAC-2 ANTIGEN) (IGE-BINDING PROTEIN) (35 KD LECTIN) (CARBOHYDRATE BINDING PROTEIN 35) (CBP 35) (LAMININ-BINDING PROTEIN) (LECTIN L-29)//0.054:46:34//RATTUS NORVEGICUS (RAT)//P08699  
 F-NT2RM2000259//TRANS-ACTING TRANSCRIPTIONAL PROTEIN ICP0 (P135 PROTEIN) (IER 2.9/ER2.6)//0.27:112:33//BOVINE HERPES VIRUS TYPE 1 (STRAIN JURA)//P29128  
 F-NT2RM2000260//PROLINE-RICH PROTEIN MP-3 (FRAGMENT)//4.7e-22:191:35//MUS MUSCULUS (MOUSE)//P05143  
 15 F-NT2RM2000287//HYPOTHETICAL 11.8 KD PROTEIN C1B3.02C IN CHROMOSOME I//5.0e-19:83:53//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//O13868  
 F-NT2RM2000322//DIAMINOPIMELATE DECARBOXYLASE (EC 4.1.1.20) (DAP DECARBOXYLASE)//0.47:117:29//HELICOBACTER PYLORI (CAMPYLOBACTER PYLORI)//P56129  
 20 F-NT2RM2000359//SPORE GERMINATION PROTEIN 270-11//0.12:83:36//DICTYOSTELIUM DISCOIDEUM (SLIME MOLD)//P22698  
 F-NT2RM2000363//BREAKPOINT CLUSTER REGION PROTEIN//1.3e-16:203:30//HOMO SAPIENS (HUMAN)//P11274  
 F-NT2RM2000368//DEK PROTEIN//0.00027:100:32//HOMO SAPIENS (HUMAN)//P35659  
 25 F-NT2RM2000371//POLYRIBONUCLEOTIDE NUCLEOTIDYLTRANSFERASE (EC 2.7.7.8) (POLYNUCLEOTIDE PHOSPHORYLASE) (PNPASE)//6.8e-36:170:47//ESCHERICHIA COLI//P05055  
 F-NT2RM2000374//NODAL PRECURSOR//1.1e-32:64:95//MUS MUSCULUS (MOUSE)//P43021  
 F-NT2RM2000395//IMMEDIATE-EARLY PROTEIN IE180//0.31:41:43//PSEUDORABIES VIRUS (STRAIN INDIANA-FUNKHAUSER / BECKER) (PRV)//P11675  
 30 F-NT2RM2000402//ENDOSOMAL P24A PROTEIN PRECURSOR (70 KD ENOMEMBRANE PROTEIN) (PHEROMONE ALPHA-FACTOR TRANSPORTER) (ACIDIC 24 KD LATE ENDOCYTIC INTERMEDIATE COMPONENT)//1.2e-30:228:32//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P32802  
 F-NT2RM2000407//TRANSMEMBRANE PROTEIN SEX PRECURSOR//0.032:105:30//HOMO SAPIENS (HUMAN)//P51805  
 35 F-NT2RM2000420//METALLOTHIONEIN (MT)//0.88:42:38//PLEURONECTES PLATESSA (PLAICE)//P07216  
 F-NT2RM2000422//SODIUM- AND CHLORIDE-DEPENDENT TRANSPORTER NTT73//2.0e-117:237:87//RATTUS NORVEGICUS (RAT)//Q08469  
 F-NT2RM2000452//HYPOTHETICAL 63.6 KD PROTEIN IN YPT52-GCN3 INTERGENIC REGION//1.1e-08:157:28//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P36113  
 40 F-NT2RM2000469//70 KD ANTIGEN//0.050:207:23//SHIGELLA FLEXNERI//P18010  
 F-NT2RM2000490//BASIC PROLINE-RICH PEPTIDE P-E (IB-9)//0.022:25:44//HOMO SAPIENS (HUMAN)//P02811  
 F-NT2RM2000502//MALE SPECIFIC SPERM PROTEIN MST84DD//0.0037:17:58//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q01645  
 45 F-NT2RM2000504//HYPOTHETICAL 99.0 KD PROTEIN SPBC119.17//1.7e-22:195:27//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//O42908  
 F-NT2RM2000522//RAS-RELATED PROTEIN RABA (FRAGMENT)//3.6e-05:67:29//DICTYOSTELIUM DISCOIDEUM (SLIME MOLD)//P34141  
 F-NT2RM2000540//HYPOTHETICAL 83.8 KD PROTEIN C27F2.7 IN CHROMOSOME III//8.4e-33:214:38//CAENORHABDITIS ELEGANS//Q18262  
 50 F-NT2RM2000556//HYPOTHETICAL PROTEIN KIAA0288 (HA6116)//1.7e-09:133:36//HOMO SAPIENS (HUMAN)//P56524  
 F-NT2RM2000566//INTEGRIN ALPHA-6 PRECURSOR (VLA-6) (CD49F)//2.2e-60:244:51//HOMO SAPIENS (HUMAN)//P23229  
 55 F-NT2RM2000567//PROLINE-RICH PROTEIN MP-3 (FRAGMENT)//2.3e-09:192:34//MUS MUSCULUS (MOUSE)//P05143  
 F-NT2RM2000569//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!//9.0e-08:43:72//HOMO SAPIENS (HUMAN)//P39188

F-NT2RM2000577//ISOLEUCYL-TRNA SYNTHETASE (EC 6.1.1.5) (ISOLEUCINE--TRNA LIGASE) (ILERS)//  
 9.1e-54:225:45//SYNECHOCYSTIS SP. (STRAIN PCC 6803)//P73505  
 F-NT2RM2000581//SPLICEOSOME ASSOCIATED PROTEIN 49 (SAP 49) (SF3B53)//0.079:111:34//HOMO SA-  
 PIENS (HUMAN)//Q15427  
 5 F-NT2RM2000588//HYPOTHETICAL PROTEIN KIAA0288 (HA6116)//2.3e-09:193:32//HOMO SAPIENS (HU-  
 MAN)//P56524  
 F-NT2RM2000594//BASIC PROLINE-RICH PEPTIDE P-E (IB-9)//0.18:33:42//HOMO SAPIENS (HUMAN)//  
 P02811  
 10 F-NT2RM2000599//DNA (CYTOSINE-5)-METHYLTRANSFERASE (EC 2.1.1.37) (DNA METHYLTRANS-  
 FERASE) (DNA METASE) (MCMT) (M.MMUI)//1.5e-09:68:45//MUS MUSCULUS (MOUSE)//P13864  
 F-NT2RM2000609//GRANULIN 2//0.83:42:35//CYPRINUS CARPIO (COMMON CARP)//P81014  
 F-NT2RM2000612//ZINC FINGER PROTEIN GCS1//7.2e-05:155:29//SACCHAROMYCES CEREVISIAE (BAK-  
 ER'S YEAST)//P35197  
 15 F-NT2RM2000623//A-AGGLUTININ ATTACHMENT SUBUNIT PRECURSOR//1.8e-09:196:33//SACCHAROMY-  
 CES CEREVISIAE (BAKER'S YEAST)//P32323  
 F-NT2RM2000624//SALIVARY GLUE PROTEIN SGS-3 PRECURSOR//0.070:113:27//DROSOPHILA ERECTA  
 (FRUIT FLY)//P13730  
 F-NT2RM2000635//SPERM PROTAMINE P1//0.54:47:38//ANTECHINUS STUARTII//P42129  
 F-NT2RM2000636//OUTER MEMBRANE PROTEIN H.8 PRECURSOR//0.096:62:35//NEISSERIA GONOR-  
 RHOEAE//P11910  
 20 F-NT2RM2000639//HYPOTHETICAL PROTEIN MJ0243//0.99:32:34//METHANOCOCCUS JANNASCHII//  
 Q57694  
 F-NT2RM2000649//NEURONAL CALCIUM SENSOR 1 (NCS-1)//0.00049:70:35//RATTUS NORVEGICUS  
 (RAT), AND GALLUS GALLUS (CHICKEN)//P36610  
 25 F-NT2RM2000669//50S RIBOSOMAL PROTEIN L34//1.0:34:44//BACILLUS SUBTILIS//P05647  
 F-NT2RM2000691//ACTIN-LIKE PROTEIN 3 (ACTIN-2)//7.0e-116:243:87//HOMO SAPIENS (HUMAN), AND  
 BOS TAURUS (BOVINE)//P32391  
 F-NT2RM2000714//RAS SUPPRESSOR PROTEIN 1 (RSU-1) (RSP-1 PROTEIN) (RSP-I)//3.8e-21:174:35//HO-  
 MO SAPIENS (HUMAN)//Q15404  
 30 F-NT2RM2000718//HYPOTHETICAL 52.9 KD SERINE-RICH PROTEIN C11G7.01 IN CHROMOSOME I//0.0022:  
 174:29//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//O13695  
 F-NT2RM2000735//ZINC FINGER PROTEIN 43 (ZINC PROTEIN HTF6)//1.6e-102:246:74//HOMO SAPIENS  
 (HUMAN)//P28160  
 35 F-NT2RM2000740//HYPOTHETICAL 131.1 KD HELICASE IN ALG7-ENP1 INTERGENIC REGION//8.5e-51:212:  
 49//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38144  
 F-NT2RM2000795//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!//9.0e-41:125:53//HOMO SAPIENS (HU-  
 MAN)//P39189  
 F-NT2RM2000821//COATOMER BETA SUBUNIT (BETA-COAT PROTEIN) (BETA-COP)//1.1e-128:291:89//  
 RATTUS NORVEGICUS (RAT)//P23514  
 40 F-NT2RM2000837//CYCLIN-DEPENDENT KINASE INHIBITOR 1C (CYCLIN-DEPENDENT KINASE INHIBITOR  
 P57) (P57KIP2)//3.9e-05:113:36//HOMO SAPIENS (HUMAN)//P49918  
 F-NT2RM2000951//HYPOTHETICAL 60.3 KD PROTEIN R08D7.7 IN CHROMOSOME III//2.5e-49:273:39//  
 CAENORHABDITIS ELEGANS//P30646  
 45 F-NT2RM2000952//NEUROFILAMENT TRIPLET H PROTEIN (200 KD NEUROFILAMENT PROTEIN) (NF-H)  
 (FRAGMENT)//0.037:234:23//RATTUS NORVEGICUS (RAT)//P16884  
 F-NT2RM2000984//HYPOTHETICAL 54.7 KD PROTEIN F37A4.1 IN CHROMOSOME III//6.3e-44:216:43//  
 CAENORHABDITIS ELEGANS//P41879  
 F-NT2RM2001004//SYNAPSINS IA AND IB//0.15:178:32//RATTUS NORVEGICUS (RAT)//P09951  
 F-NT2RM2001035//CCR4-ASSOCIATED FACTOR 1 (CAF1)//1.4e-87:188:90//MUS MUSCULUS (MOUSE)//  
 50 Q60809  
 F-NT2RM2001065//ATP SYNTHASE A CHAIN (EC 3.6.1.34) (PROTEIN 6)//0.53:122:31//TRYPANOSOMA BRU-  
 CEI BRUCEI//P24499  
 F-NT2RM2001100//HYPOTHETICAL 39.7 KD PROTEIN C34E10.2 IN CHROMOSOME III//3.4e-13:171:30//  
 CAENORHABDITIS ELEGANS//P46577  
 55 F-NT2RM2001105//SPORE COAT PROTEIN SP96//7.8e-06:141:34//DICTYOSTELIUM DISCOIDEUM (SLIME  
 MOLD)//P14328  
 F-NT2RM2001131//PROBABLE EUKARYOTIC INITIATION FACTOR C17C9.03//2.3e-18:249:31//SCHIZOSAC-  
 CHAROMYCES POMBE (FISSION YEAST)//Q10475

F-NT2RM2001141//HYPOTHETICAL 115.4 KD PROTEIN ZK757.3 IN CHROMOSOME III.//0.050:134:26//  
 CAENORHABDITIS ELEGANS//P34681  
 F-NT2RM2001152  
 F-NT2RM2001177//COLLAGEN ALPHA 1(XIV) CHAIN PRECURSOR (UNDULIN)//0.86:42:40//GALLUS GAL-  
 LUS (CHICKEN)//P32018  
 F-NT2RM2001194//SMOOTHELIN.//4.7e-05:77:32//HOMO SAPIENS (HUMAN)//P53814  
 F-NT2RM2001196//PROLINE-RICH PROTEIN MP-3 (FRAGMENT)//1.7e-18:218:35//MUS MUSCULUS  
 (MOUSE)//P05143  
 F-NT2RM2001201//CYSTEINE STRING PROTEIN (CCCS1)//0.041:22:59//TORPEDO CALIFORNICA (PACIFIC  
 ELECTRIC RAY)//P56101  
 F-NT2RM2001221//KALIRIN (PAM COOH-TERMINAL INTERACTOR PROTEIN 10) (P-CIP10)//1.3e-13:183:32//  
 RATTUS NORVEGICUS (RAT)//P97924  
 F-NT2RM2001238//GLUTAMINASE, KIDNEY ISOFORM PRECURSOR (EC 3.5.1.2) (GLS) (L-GLUTAMINE AMI-  
 DOHYDROLASE)//6.5e-121:218:98//RATTUS NORVEGICUS (RAT)//P13264  
 F-NT2RM2001243//HYPOTHETICAL 200.0 KD PROTEIN IN GZF3-IME2 INTERGENIC REGION//0.00019:177:  
 27//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P42945  
 F-NT2RM2001247//LEGUMIN B (FRAGMENT)//0.22:54:35//PISUM SATIVUM (GARDEN PEA)//P14594  
 F-NT2RM2001256//PROTEIN TSG24 (MEIOTIC CHECK POINT REGULATOR)//1.8e-109:207:98//MUS MUS-  
 CULUS (MOUSE)//P53995  
 F-NT2RM2001291//SMALL PROLINE RICH PROTEIN II (SPR-II) (CLONE 930)//0.016:22:40//HOMO SAPIENS  
 (HUMAN)//P22531  
 F-NT2RM2001306//REF(2)P PROTEIN.//0.61:51:33//DROSOPHILA MELANOGASTER (FRUIT FLY)//P14199  
 F-NT2RM2001312/////ALU SUBFAMILY SX WARNING ENTRY !!!!!//7.2e-11:33:72//HOMO SAPIENS (HUMAN)//  
 P39195  
 F-NT2RM2001319  
 F-NT2RM2001324//ZYXIN.//5.1e-22:91:38//GALLUS GALLUS (CHICKEN)//Q04584  
 F-NT2RM2001345//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1 //7.4e-10:159:27//PODOSPORA AN-  
 SERINA//Q00808  
 F-NT2RM2001360//ACCESSORY GLAND PEPTIDE PRECURSOR (PARAGONIAL PEPTIDE B)//1.0:27:48//  
 DROSOPHILA MELANOGASTER (FRUIT FLY)//P05623  
 F-NT2RM2001370//NAPE PROTEIN.//0.98:44:31//PARACOCCLUS DENITRIFICANS (SUBSP. THIOSPHAERA  
 PANTOTROPHA)//Q56348  
 F-NT2RM2001393//VITELLOGENIN PRECURSOR (VTG) [CONTAINS: LIPOVITELLIN LV-1N; LIPOVITELLIN  
 LV-1C; LIPOVITELLIN LV-2]//0.0024:163:31//ICHTHYOMYZON UNICUSPUS (SILVER LAMPREY)//Q91062  
 F-NT2RM2001420  
 F-NT2RM2001424//HETEROGENOUS NUCLEAR RIBONUCLEOPROTEIN U (HNRNP U)//2.4e-41:140:59//  
 HOMO SAPIENS (HUMAN)//Q00839  
 F-NT2RM2001499//HIGH-AFFINITY CATIONIC AMINO ACID TRANSPORTER-1 (CAT-1) (CAT1) (SYSTEM Y+  
 BASIC AMINO ACID TRANSPORTER) (ECOTROPIC RETROVIRAL LEUKEMIA RECEPTOR HOMOLOG) (ERR)  
 (ECOTROPIC RETROVIRUS RECEPTOR HOMOLOG).//3.7e-71:201:68//HOMO SAPIENS (HUMAN)//P30825  
 F-NT2RM2001504//CUTICLE COLLAGEN 2.//0.028:41:39//CAENORHABDITIS ELEGANS//P17656  
 F-NT2RM2001524//HYPOTHETICAL 61.3 KD PROTEIN F25B5.5 IN CHROMOSOME III.//6.7e-47:190:42//  
 CAENORHABDITIS ELEGANS//Q09316  
 F-NT2RM2001544//TELOMERE-BINDING PROTEIN 51 KD SUBUNIT.//0.0027:136:33//EUPLOTES  
 CRASSUS//Q06184  
 F-NT2RM2001547//HYPOTHETICAL 48.6 KD PROTEIN IN BET1-PAN1 INTERGENIC REGION.//8.5e-18:91:50//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40564  
 F-NT2RM2001575//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A)) (RO(SS-A)).//3.9e-  
 35:212:41//HOMO SAPIENS (HUMAN)//P19474  
 F-NT2RM2001582//RESA PROTEIN.//0.0033:72:27//BACILLUS SUBTILIS.//P35160  
 F-NT2RM2001588//EXTENSIN PRECURSOR (PROLINE-RICH GLYCOPROTEIN)//1.0e-06:115:32//ZEA MAYS  
 (MAIZE)//P14918  
 F-NT2RM2001592//KERATIN, ULTRA HIGH-SULFUR MATRIX PROTEIN (UHS KERATIN).//0.033:156:23//HO-  
 MO SAPIENS (HUMAN)//P26371  
 F-NT2RM2001605//RETINOBLASTOMA BINDING PROTEIN 2 (RBBP-2).//1.1e-116:249:82//HOMO SAPIENS  
 (HUMAN)//P29375  
 F-NT2RM2001613//PROTEIN TRANSPORT PROTEIN SEC61 ALPHA SUBUNIT.//1.2e-97:192:100//RATTUS  
 NORVEGICUS (RAT)//P38378



F-NT2RM2001632//A-AGGLUTININ ATTACHMENT SUBUNIT PRECURSOR//0.00068:145:28//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P32323  
 F-NT2RM2001635//NUCLEAR ENVELOPE PORE MEMBRANE PROTEIN POM 121 (PORE MEMBRANE PROTEIN OF 121 KD) (P145)//1.1e-39:235:47//RATTUS NORVEGICUS (RAT)//P52591  
 5 F-NT2RM2001637//HYPOTHETICAL BHLF1 PROTEIN//0.075:197:29//EPSTEIN-BARR VIRUS (STRAIN B95-8) (HUMAN HERPESVIRUS 4)//P03181  
 F-NT2RM2001641//NADH-CYTOCHROME B5 REDUCTASE (EC 1.6.2.2) (B5R)//0.013:29:68//HOMO SAPIENS (HUMAN)//P00387  
 F-NT2RM2001648//PROTEIN TRANSPORT PROTEIN SEC61 ALPHA SUBUNIT//3.2e-65:132:100//CANIS FAMILIARIS (DOG)//P38377  
 10 F-NT2RM2001652//PROTEIN TRANSPORT PROTEIN SEC7//1.6e-32:261:32//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P11075  
 F-NT2RM2001659//CARBOXYPEPTIDASE A INHIBITOR//0.83:30:46//ASCARIS SUUM (PIG ROUNDWORM) (ASCARIS LUMBRICOIDES)//P19399  
 15 F-NT2RM2001664//IKI3 PROTEIN//1.3e-31:265:34//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//Q06706  
 F-NT2RM2001668//TONB PROTEIN//0.32:39:41//XANTHOMONAS CAMPESTRIS (PV. CAMPESTRIS)//Q34261  
 F-NT2RM2001670//ZINC FINGER PROTEIN 174//3.6e-21:172:39//HOMO SAPIENS (HUMAN)//Q15697  
 20 F-NT2RM2001671//HYPOTHETICAL 118.6 KD PROTEIN C29E6.03C IN CHROMOSOME I//1.6e-10:229:24//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09857  
 F-NT2RM2001675//DIHYDRODIPICOLINATE SYNTHASE (EC 4.2.1.52) (DHDPS)//1.0:184:21//METHANOCOCCUS JANNASCHII//Q57695  
 F-NT2RM2001681//PROTEIN DISULFIDE ISOMERASE PRECURSOR (PDI) (EC 5.3.4.1)//0.0039:199:22//DROSOPHILA MELANOGASTER (FRUIT FLY)//P54399  
 25 F-NT2RM2001688//HYPOTHETICAL 28.1 KD PROTEIN IN SIPU-PBPC INTERGENIC REGION//2.6e-21:162:33//BACILLUS SUBTILIS//P42966  
 F-NT2RM2001695//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/4.9e-41:60:81//HOMO SAPIENS (HUMAN)//P39194  
 30 F-NT2RM2001696//HYPOTHETICAL 24.1 KD PROTEIN IN LEF4-P33 INTERGENIC REGION//9.8e-16:126:38//AUTOGRAPHIA CALIFORNICA NUCLEAR POLYHEDROSIS VIRUS (ACMNPV)//P41479  
 F-NT2RM2001698//PENAEIDIN-3B PRECURSOR (P3-B)//0.36:52:34//PENAEUS VANNAMEI (PENOEID SHRIMP) (EUROPEAN WHITE SHRIMP)//P81059  
 F-NT2RM2001699//TRANSCRIPTION INITIATION FACTOR TFIID 30 KD SUBUNIT (TAFII-30) (TAFII30)//0.0012:79:40//HOMO SAPIENS (HUMAN)//Q12962  
 35 F-NT2RM2001700//ACYL-COA DEHYDROGENASE, VERY-LONG-CHAIN SPECIFIC (EC 1.3.99.-) (VLCAD) (FRAGMENT)//1.0e-30:140:53//MUS MUSCULUS (MOUSE)//P50544  
 F-NT2RM2001706//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/1.5e-33:95:75//HOMO SAPIENS (HUMAN)//P39195  
 40 F-NT2RM2001716//HYPOTHETICAL 118.4 KD PROTEIN IN BAT2-DAL5 INTERGENIC REGION PRECURSOR//0.010:116:30//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P47179  
 F-NT2RM2001718//METHYL-ACCEPTING CHEMOTAXIS PROTEIN TLPB//0.00029:77:37//BACILLUS SUBTILIS//P39217  
 F-NT2RM2001723//POSTERIOR PITUITARY PEPTIDE//0.94:26:53//BOS TAURUS (BOVINE)//P01154  
 45 F-NT2RM2001727//E7 PROTEIN//0.91:46:34//HUMAN PAPILLOMAVIRUS TYPE 23//P50781  
 F-NT2RM2001730//PROBABLE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE K02C4.3 (EC 3.1.2.15) (UBIQUITIN THIOLESTERASE) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE) (DEUBIQUITINATING ENZYME)//4.9e-07:139:29//CAENORHABDITIS ELEGANS//Q09931  
 F-NT2RM2001743//PROENKEPHALIN A PRECURSOR//0.75:65:35//CAVIA PORCELLUS (GUINEA PIG)//P47969  
 50 F-NT2RM2001753//HYPOTHETICAL PROTEIN KIAA0210//1.5e-14:119:36//HOMO SAPIENS (HUMAN)//Q92609  
 F-NT2RM2001760//PROTEIN TRANSPORT PROTEIN SEC61 ALPHA SUBUNIT//8.3e-58:119:99//CANIS FAMILIARIS (DOG)//P38377  
 55 F-NT2RM2001768//HYPOTHETICAL PROTEIN UL25//0.45:77:32//HUMAN CYTOMEGALOVIRUS (STRAIN AD169)//P16761  
 F-NT2RM2001771//ZINC FINGER PROTEIN 135//4.6e-80:224:60//HOMO SAPIENS (HUMAN)//P52742  
 F-NT2RM2001782//MANNOSE-1-PHOSPHATE GUANYLTRANSFERASE (EC 2.7.7.13) (ATP-MANNOSE-1-

- PHOSPHATE GUANYLYLTRANSFERASE) (NDP-HEXOSE PYROPHOSPHORYLASE) //7.0e-06:61:45//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST) //P41940  
 F-NT2RM2001784//HYPOTHETICAL PROTEIN UL61//0.00070:145:33//HUMAN CYTOMEGALOVIRUS (STRAIN AD169) //P16818
- 5 F-NT2RM2001785//LINOLEOYL-COA DESATURASE (EC 1.14.99.25) (DELTA(6)-DESATURASE) //1.5e-08:127:32//SYNECHOCYSTIS SP. (STRAIN PCC 6803) //Q08871  
 F-NT2RM2001797//ZINC FINGER PROTEIN 135//1.6e-73:267:49//HOMO SAPIENS (HUMAN) //P52742  
 F-NT2RM2001800//HYPOTHETICAL HELICASE MG018/MG017/MG016 HOMOLOG //3.9e-12:171:33//MYCOPLASMA PNEUMONIAE //P75093
- 10 F-NT2RM2001803//IKI3 PROTEIN //1.6e-38:283:36//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST) //Q06706  
 F-NT2RM2001805//COLD SHOCK-LIKE PROTEIN CSPH //0.51:46:32//SALMONELLA TYPHIMURIUM //O33793  
 F-NT2RM2001813//HYPOTHETICAL 40.4 KD TRP-ASP REPEATS CONTAINING PROTEIN C14B1.4 IN CHROMOSOME III //5.0e-05:82:32//CAENORHABDITIS ELEGANS //Q17963
- 15 F-NT2RM2001823//CHROMODOMAIN-HELICASE-DNA-BINDING PROTEIN 2 (CHD-2) //3.6e-49:233:45//HOMO SAPIENS (HUMAN) //O14647  
 F-NT2RM2001839//RETICULOCALBIN 1 PRECURSOR //5.2e-65:222:56//HOMO SAPIENS (HUMAN) //Q15293  
 F-NT2RM2001840//ALU SUBFAMILY SQ WARNING ENTRY //9.6e-33:102:68//HOMO SAPIENS (HUMAN) //P39194
- 20 F-NT2RM2001855//BASP1 PROTEIN //0.054:120:30//HOMO SAPIENS (HUMAN) //P80723  
 F-NT2RM2001867//HYPOTHETICAL 56.6 KD PROTEIN IN URE2-SSU72 INTERGENIC REGION //4.1e-19:88:36//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST) //P53867  
 F-NT2RM2001879//HYPOTHETICAL 47.3 KD PROTEIN C22G7.07C IN CHROMOSOME I //5.9e-15:76:38//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST) //Q09800
- 25 F-NT2RM2001886//HYPOTHETICAL 126.9 KD PROTEIN C22G7.04 IN CHROMOSOME I //1.4e-41:249:38//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST) //Q09798  
 F-NT2RM2001896//HYPOTHETICAL 83.2 KD PROTEIN IN KAR4-PBN1 INTERGENIC REGION //2.1e-59:197:56//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST) //P25582
- 30 F-NT2RM2001903//HYPOTHETICAL PROTEIN MJ0263 //0.070:132:31//METHANOCOCCUS JANNASCHII //O06917  
 F-NT2RM2001930//THROMBOSPONDIN 2 PRECURSOR //7.1e-05:53:47//MUS MUSCULUS (MOUSE) //Q03350  
 F-NT2RM2001935//PUTATIVE CUTICLE COLLAGEN F55C10.3 //0.00046:116:35//CAENORHABDITIS ELEGANS //Q21184
- 35 F-NT2RM2001936//32.3 KD PROTEIN IN CWP1-MBR1 INTERGENIC REGION //4.5e-27:216:34//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST) //P28320  
 F-NT2RM2001950//HIRUDIN HV1 (BUFRUDIN) //0.59:43:34//HIRUDINARIA MANILLENSIS (BUFFALO LEECH) //P81492
- 40 F-NT2RM2001982//GUANINE NUCLEOTIDE-BINDING PROTEIN G(I)/G(S)/G(O) GAMMA-8 SUBUNIT (G GAMMA-C) //0.72:35:42//BOS TAURUS (BOVINE) //P50154  
 F-NT2RM2001983//PROLINE-RICH PEPTIDE P-B //0.00035:23:52//HOMO SAPIENS (HUMAN) //P02814  
 F-NT2RM2001989//NUCLEOLAR PROTEIN NOP4 (NUCLEOLAR PROTEIN NOP77) //8.6e-24:197:37//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST) //P37838
- 45 F-NT2RM2001997  
 F-NT2RM2001998//IMMEDIATE-EARLY PROTEIN IE180 //0.076:92:27//PSEUDORABIES VIRUS (STRAIN INDIANA-FUNKHAUSER / BECKER) (PRV) //P11675  
 F-NT2RM2002004//SLF1 PROTEIN //3.5e-06:235:27//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST) //Q12034
- 50 F-NT2RM2002014//HYPOTHETICAL PROTEIN HI0568 //2.1e-17:235:29//HAEMOPHILUS INFLUENZAE //P71353  
 F-NT2RM2002030//GLUCOSAMINE-FRUCTOSE-6-PHOSPHATE AMINOTRANSFERASE [ISOMERIZING] (EC 2.6.1.16) (HEXOSEPHOSPHATE AMINOTRANSFERASE) (D-FRUCTOSE-6-PHOSPHATE AMIDOTRANSFERASE) (GFAT) //9.5e-105:271:76//MUS MUSCULUS (MOUSE) //P47856
- 55 F-NT2RM2002049//SMALL PROLINE-RICH PROTEIN 2-1 //0.099:41:41//HOMO SAPIENS (HUMAN) //P35326  
 F-NT2RM2002055//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS13 //0.012:217:24//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST) //Q07878  
 F-NT2RM2002088//PUTATIVE HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN X (HNRNP X) (CBP) //

1.1e-09:65:53//MUS MUSCULUS (MOUSE)//Q61990  
 F-NT2RM2002091//HYPOTHETICAL 57.5 KD PROTEIN IN VMA7-RPS25A INTERGENIC REGION//0.072:74:  
 37//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53214  
 F-NT2RM2002100//ATP-DEPENDENT RNA HELICASE ROK1//4.5e-50:289:41//SACCHAROMYCES CEREVI-  
 5 SIAE (BAKER'S YEAST)//P45818  
 F-NT2RM2002109//NT-3 GROWTH FACTOR RECEPTOR PRECURSOR (EC 2.7.1.112) (TRKC TYROSINE KI-  
 NASE) (GP145-TRKC) (TRK-C)//1.4e-14:203:32//RATTUS NORVEGICUS (RAT)//Q03351  
 F-NT2RM2002128//SKIN SECRETORY PROTEIN XP2 PRECURSOR (APEG PROTEIN)//0.0025:139:31//  
 XENOPUS LAEVIS (AFRICAN CLAWED FROG)//P17437  
 10 F-NT2RM2002142//GASTRULATION SPECIFIC PROTEIN G12//9.2e-20:42:73//BRACHYDANIO RERIO (ZE-  
 BRA FISH) (ZEBRA DANIO)//P47805  
 F-NT2RM2002145//GLUTENIN, HIGH MOLECULAR WEIGHT SUBUNIT 12 PRECURSOR//0.0085:200:26//  
 TRITICUM AESTIVUM (WHEAT)//P08488  
 F-NT2RM2002178//COLLAGEN ALPHA 1(XII) CHAIN (FRAGMENTS)//5.8e-05:56:39//BOS TAURUS (BO-  
 15 VINE)//P25508  
 F-NT2RM2002580//CCAAT-BINDING TRANSCRIPTION FACTOR SUBUNIT A (CBF-A) (NF-Y PROTEIN CHAIN  
 B) (NF-YB) (CAAT-BOX DNA BINDING PROTEIN SUBUNIT B)//2.9e-14:96:37//PETROMYZON MARINUS (SEA  
 LAMPREY)//P25210  
 F-NT2RM4000024//DNA-DIRECTED RNA POLYMERASE III 128 KD POLYPEPTIDE (EC 2.7.7.6) (RNA  
 20 POLYMERASE III SUBUNIT 2)//8.6e-95:271:67//DROSOPHILA MELANOGASTER (FRUIT FLY)//P25167  
 F-NT2RM4000027//INTERFERON-ACTIVATABLE PROTEIN 202 (IFI-202)//0.99:72:31//MUS MUSCULUS  
 (MOUSE)//P15091  
 F-NT2RM4000030//LAS1 PROTEIN//1.4e-14:184:32//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//  
 P36146  
 25 F-NT2RM4000046//COLLAGEN ALPHA 1(III) CHAIN (FRAGMENT)//0.99:120:28//RATTUS NORVEGICUS  
 (RAT)//P13941  
 F-NT2RM4000061  
 F-NT2RM4000085//ATP-DEPENDENT RNA HELICASE A (NUCLEAR DNA HELICASE II) (NDH II) (DEAD BOX  
 PROTEIN 9) (MHEL-5)//8.5e-40:263:38//MUS MUSCULUS (MOUSE)//O70133  
 30 F-NT2RM4000086//HYPOTHETICAL PROTEIN HI1497//1.0:27:37//HAEMOPHILUS INFLUENZAE//P44221  
 F-NT2RM4000104//ZINC FINGER PROTEIN 134//1.0e-26:64:56//HOMO SAPIENS (HUMAN)//P52741  
 F-NT2RM4000139//PREPROTEIN TRANSLOCASE SECE SUBUNIT//0.99:38:42//THERMOTOGA MARITIMA//  
 P35874  
 F-NT2RM4000155//THREONYL-TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.3) (THREONINE--TRNA  
 35 LIGASE) (THRRS)//6.3e-34:181:40//HOMO SAPIENS (HUMAN)//P26639  
 F-NT2RM4000156//EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN)//  
 4.6e-12:142:33//NICOTIANA TABACUM (COMMON TOBACCO)//P13983  
 F-NT2RM4000167//KINESIN-LIKE PROTEIN KIF4//3.4e-123:269:91//MUS MUSCULUS (MOUSE)//P33174  
 F-NT2RM4000169//M PROTEIN, SEROTYPE 2.2 PRECURSOR//9.7e-10:229:26//STREPTOCOCCUS PYO-  
 40 GENES//P50469  
 F-NT2RM4000191//P68-LIKE PROTEIN//2.1e-11:104:40//SACCHAROMYCES CEREVISIAE (BAKER'S  
 YEAST)//P24783  
 F-NT2RM4000197//CUTICLE PROTEIN CP463 (CPCP463)//0.84:29:37//CANCER PAGURUS (ROCK CRAB)//  
 P81587  
 45 F-NT2RM4000199//SALIVARY PROLINE-RICH PROTEIN PO (ALLELE K) [CONTAINS: PEPTIDE P-D] (FRAG-  
 MENT)//1.8e-06:187:34//HOMO SAPIENS (HUMAN)//P10162  
 F-NT2RM4000200//HYPOTHETICAL 9.4 KD PROTEIN IN FLAL 3'REGION (ORF3)//0.52:42:40//BACILLUS LI-  
 CHENIFORMIS//P22754  
 F-NT2RM4000202//COLLAGEN ALPHA 1(VIII) CHAIN PRECURSOR (ENDOTHELIAL COLLAGEN)//0.00044:  
 50 168:32//ORYCTOLAGUS CUNICULUS (RABBIT)//P14282  
 F-NT2RM4000210//EXTENSIN PRECURSOR//0.27:129:27//DAUCUS CAROTA (CARROT)//P06599  
 F-NT2RM4000215//MAK16 PROTEIN//2.0e-65:234:52//SACCHAROMYCES CEREVISIAE (BAKER'S  
 YEAST)//P10962  
 F-NT2RM4000229//GAR2 PROTEIN//0.13:217:26//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//  
 55 P41891  
 F-NT2RM4000233//TRANSMEMBRANE PROTEIN SEX PRECURSOR//0.047:108:30//HOMO SAPIENS (HU-  
 MAN)//P51805  
 F-NT2RM4000244//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//0.67:59:27//BALAENOPTERA

# EP 1 074 617 A2

PHYSALUS (FINBACK WHALE) (COMMON RORQUAL)//P24947  
 F-NT2RM4000251//PROLINE-RICH PROTEIN MP-3 (FRAGMENT)//0.0059:108:35//MUS MUSCULUS (MOUSE)//P05143  
 F-NT2RM4000265//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/8.1e-38:70:70//HOMO SAPIENS (HUMAN)//P39188  
 5 F-NT2RM4000290//TRANSDUCIN-LIKE ENHANCER PROTEIN 3 (ESG3)//1.6e-115:209:94//HOMO SAPIENS (HUMAN)//Q04726  
 F-NT2RM4000324//PRESPORE PROTEIN DP87 PRECURSOR//0.14:136:30//DICTYOSTELIUM DISCOIDEUM (SLIME MOLD)//Q04503  
 10 F-NT2RM4000327//HYPOTHETICAL 8.9 KD PROTEIN IN IE0-IE1 INTERGENIC REGION//0.91:73:28//AUTOGRAPHIA CALIFORNICA NUCLEAR POLYHEDROSIS VIRUS (ACMNPV)//P41703  
 F-NT2RM4000344//YME1 PROTEIN HOMOLOG (EC 3.4.24.-)//9.4e-78:241:55//CAENORHABDITIS ELE-GANS//P54813  
 F-NT2RM4000349//CYSTEINE STRING PROTEIN (CCCS1)//0.055:22:59//TORPEDO CALIFORNICA (PACIFIC ELECTRIC RAY)//P56101  
 15 F-NT2RM4000354//LETHAL(2)DENTICLELESS PROTEIN (DTL83 PROTEIN)//4.6e-26:208:35//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q24371  
 F-NT2RM4000356//COAT PROTEIN//0.11:105:36//SATELLITE TOBACCO MOSAIC VIRUS (STMV)//P17574  
 F-NT2RM4000366//IMMEDIATE-EARLY PROTEIN//1.2e-05:215:24//HERPES VIRUS SAIMIRI (STRAIN 11)//Q01042  
 20 F-NT2RM4000368//HYPOTHETICAL 7.3 KD PROTEIN IN RPBA-GP46 INTERGENIC REGION//0.54:46:36//BACTERIOPHAGE RB69//O64300  
 F-NT2RM4000386//RHSC PROTEIN PRECURSOR//0.0096:162:29//ESCHERICHIA COLI//P16918  
 F-NT2RM4000395//HYPOTHETICAL 52.9 KD PROTEIN IN SAP155-YMR31 INTERGENIC REGION//4.5e-66:256:53//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P43616  
 25 F-NT2RM4000414//HYPOTHETICAL 6.0 KD PROTEIN IN THI12 5'REGION//0.13:33:48//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53820  
 F-NT2RM4000421//MRNA TRANSPORT REGULATOR MTR10//5.0e-13:171:29//SACCHAROMYCES CEREVI-SIAE (BAKER'S YEAST)//Q99189  
 30 F-NT2RM4000425//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/2.1e-25:46:80//HOMO SAPIENS (HUMAN)//P39193  
 F-NT2RM4000433//CUTICLE COLLAGEN 3A3//2.5e-06:77:38//HAEMONCHUS CONTORTUS//P16253  
 F-NT2RM4000457//HYPOTHETICAL 111.9 KD PROTEIN C22H10.03C IN CHROMOSOME I//4.3e-09:215:22//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q10297  
 35 F-NT2RM4000471//TRNA SPLICING PROTEIN SPL1//6.7e-73:163:65//CANDIDA ALBICANS (YEAST)//P87185  
 F-NT2RM4000486//COLLAGEN ALPHA 2(VI) CHAIN PRECURSOR//0.0012:121:34//GALLUS GALLUS (CHICKEN)//P15988  
 F-NT2RM4000496//DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT (EC 2.7.7.6) (RNA POLYMER-ASE II SUBUNIT 1)//5.9e-09:175:35//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//P36594  
 40 F-NT2RM4000511//SALIVARY GLUE PROTEIN SGS-3 PRECURSOR//0.020:122:31//DROSOPHILA SIMU-LANS (FRUIT FLY)//P13729  
 F-NT2RM4000514//ATP SYNTHASE A CHAIN (EC 3.6.1.34) (PROTEIN 6)//0.46:68:32//ARTEMIA SANFRAN-CISCANA (BRINE SHRIMP) (ARTEMIA FRANCISCANA)//Q37708  
 45 F-NT2RM4000515//GAR2 PROTEIN//3.2e-05:198:27//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//P41891  
 F-NT2RM4000520//HYPOTHETICAL 7.5 KD PROTEIN (ORF 63)//0.011:55:38//SPINACIA OLERACEA (SPIN-ACH)//P08974  
 F-NT2RM4000531//ZINC FINGER PROTEIN 169 (FRAGMENT)//3.6e-44:244:42//HOMO SAPIENS (HUMAN)//Q14929  
 50 F-NT2RM4000532//PUTATIVE MEMBRANE PROTEIN 53//1.0:47:34//HERPES VIRUS SAIMIRI (STRAIN 11)//Q01049  
 F-NT2RM4000534//HYPOTHETICAL 5.9 KD PROTEIN IN WRBA-PUTA INTERGENIC REGION//0.75:26:46//ESCHERICHIA COLI//P56614  
 55 F-NT2RM4000585//GAG POLYPROTEIN [CONTAINS: CORE PROTEIN P16; CORE PROTEIN P26]//0.019:86:34//HUMAN IMMUNODEFICIENCY VIRUS TYPE 2 (ISOLATE SBLIS Y) (HIV-2)//P12450  
 F-NT2RM4000590//RING CANAL PROTEIN (KELCH PROTEIN)//5.0e-23:224:29//DROSOPHILA MELA-NOGASTER (FRUIT FLY)//Q04652

F-NT2RM4000595//HYPOTHETICAL 54.9 KD PROTEIN C02F5.7 IN CHROMOSOME III.//3.8e-62:226:50//  
 CAENORHABDITIS ELEGANS.//P34284  
 F-NT2RM4000603//SRC SUBSTRATE CORTACTIN (AMPLAXIN) (EMS1 ONCOGENE).//0.077:132:22//HOMO  
 SAPIENS (HUMAN).//Q14247  
 5 F-NT2RM4000611//HYPOTHETICAL 40.4 KD TRP-ASP REPEATS CONTAINING PROTEIN C14B1.4 IN CHRO-  
 MOSOME III.//1.9e-06:82:32//CAENORHABDITIS ELEGANS.//Q17963  
 F-NT2RM4000616//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE-COA LIGASE) (ACYL- AC-  
 TIVATING ENZYME).//5.3e-79:213:62//ESCHERICHIA COLI.//P27550  
 F-NT2RM4000674//HYPOTHETICAL SYMPORTER SLL1374.//1.3e-11:147:32//SYNECHOCYSTIS SP. (STRAIN  
 10 PCC 6803).//P74168  
 F-NT2RM4000689  
 F-NT2RM4000698//CHORION CLASS HIGH-CYSTEINE HCA PROTEIN 12 PRECURSOR (HC-A.12).//0.26:45:  
 33//BOMBYX MORI (SILK MOTH).//P05687  
 F-NT2RM4000700//THIOPHENE AND FURAN OXIDATION PROTEIN THDF.//0.95:165:25//BORRELIA BURG-  
 15 DORFERI (LYME DISEASE SPIROCHETE).//P53364  
 F-NT2RM4000712//PROBABLE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE R10E11.3 (EC 3.1.2.15)  
 (UBIQUITIN THIOLESTERASE) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE) (DEUBIQUITINATING EN-  
 ZYME).//2.2e-82:152:63//CAENORHABDITIS ELEGANS.//P34547  
 F-NT2RM4000717//SALIVARY GLUE PROTEIN SGS-3 PRECURSOR.//0.80:54:40//DROSOPHILA SIMULANS  
 20 (FRUIT FLY).//P13729  
 F-NT2RM4000733//OCTAPEPTIDE-REPEAT PROTEIN T2.//1.5e-08:139:28//MUS MUSCULUS (MOUSE).//  
 Q06666  
 F-NT2RM4000734//GASTRULA ZINC FINGER PROTEIN XLCGF26.1 (FRAGMENT).//7.2e-20:205:28//XENO-  
 PUS LAEVIS (AFRICAN CLAWED FROG).//P18715  
 25 F-NT2RM4000741//SPERM PROTAMINE P1.//0.89:52:38//ISOODON MACROURUS (SHORT-NOSED BANDI-  
 COOT).//P42136  
 F-NT2RM4000751//ZINC FINGER PROTEIN 26 (ZFP-26) (MKR3 PROTEIN) (FRAGMENT).//5.2e-77:246:52//  
 MUS MUSCULUS (MOUSE).//P10076  
 F-NT2RM4000764//KERATIN, GLYCINE/TYROSINE-RICH OF HAIR.//0.062:33:42//OVIS ARIES (SHEEP).//  
 30 Q02958  
 F-NT2RM4000778  
 F-NT2RM4000779//SULFATED SURFACE GLYCOPROTEIN 185 (SSG 185).//0.014:53:45//VOLVOX CARTERI.//  
 P21997  
 F-NT2RM4000787//BONE MORPHOGENETIC PROTEIN 1 PRECURSOR (EC 3.4.24.-) (BMP-1).//0.00011:73:  
 35 39//MUS MUSCULUS (MOUSE).//P98063  
 F-NT2RM4000790//SPORE COAT PROTEIN SP96.//0.00083:157:29//DICTYOSTELIUM DISCOIDEUM (SLIME  
 MOLD).//P14328  
 F-NT2RM4000795//CHOLINESTERASE PRECURSOR (EC 3.1.1.8) (ACYLCHOLINE ACYLHYDROLASE)  
 (CHOLINE ESTERASE II) (BUTYRYLCHOLINE ESTERASE) (PSEUDOCHOLINESTERASE).//7.4e-41:271:36//  
 40 HOMO SAPIENS (HUMAN).//P06276  
 F-NT2RM4000796//5-METHYLCYTOSINE-SPECIFIC RESTRICTION ENZYME B (EC 3.1.21.-).//0.28:82:30//ES-  
 CHERICHIA COLI.//P15005  
 F-NT2RM4000798//PROTEIN TRANSPORT PROTEIN SEC7.//4.7e-38:165:48//SACCHAROMYCES CEREVI-  
 SIAE (BAKER'S YEAST).//P11075  
 45 F-NT2RM4000813//METALLOTHIONEIN-IB.//0.0025:25:44//OVIS ARIES (SHEEP).//P09577  
 F-NT2RM4000820  
 F-NT2RM4000833//HYPOTHETICAL PROTEIN MJ1136.//6.5e-42:206:41//METHANOCOCCUS JANNASCHII.//  
 Q58536  
 F-NT2RM4000848//BRAIN-SPECIFIC HOMEBOX/POU DOMAIN PROTEIN 3A (BRN-3A) (BRN-3.0).//0.00060:  
 50 159:33//MUS MUSCULUS (MOUSE).//P17208  
 F-NT2RM4000852//SMALL PROLINE-RICH PROTEIN 2B (SPR-2B).//0.0076:13:69//HOMO SAPIENS (HU-  
 MAN).//P35325  
 F-NT2RM4000855//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!//0.0060:68:44//HOMO SAPIENS (HUMAN).//  
 P39194  
 55 F-NT2RM4000887//RTS1 PROTEIN (SCS1 PROTEIN).//0.23:153:24//SACCHAROMYCES CEREVISIAE (BAK-  
 ER'S YEAST).//P38903  
 F-NT2RM4000895//HYPOTHETICAL 53.5 KD PROTEIN IN PHO2-POL3 INTERGENIC REGION.//3.3e-09:80:  
 46//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P43123

F-NT2RM4000950//HYPOTHETICAL PROTEIN MJ0572//0.090:68:29//METHANOCOCCUS JANNASCHII//  
 Q57992  
 F-NT2RM4000971//KINESIN LIGHT CHAIN (KLC)//0.79:201:24//LOLIGO PEALEII (LONGFIN SQUID)//P46825  
 F-NT2RM4000979//MYOSIN REGULATORY LIGHT CHAIN 2, NONSARCOMERIC (MYOSIN RLC)//1.2e-07:25:  
 5 96//HOMO SAPIENS (HUMAN)//P19105  
 F-NT2RM4000996//ZINC FINGER PROTEIN 37 (ZFP-37) (MALE GERM CELL SPECIFIC ZINC FINGER PRO-  
 TEIN)//1.4e-56:253:46//MUS MUSCULUS (MOUSE)//P17141  
 F-NT2RM4001002  
 F-NT2RM4001016//GAG POLYPROTEIN [CONTAINS: CORE PROTEIN P15; INNER COAT PROTEIN P12;  
 10 CORE SHELL PROTEIN P30]//0.25:101:31//FBR MURINE OSTEOSARCOMA VIRUS//P29175  
 F-NT2RM4001032//CUTICLE COLLAGEN 2//2.6e-07:130:39//CAENORHABDITIS ELEGANS//P17656  
 F-NT2RM4001047//MO25 PROTEIN//5.6e-107:252:80//MUS MUSCULUS (MOUSE)//Q06138  
 F-NT2RM4001054//PROTEIN TRANSPORT PROTEIN SEC61 ALPHA SUBUNIT//9.0e-109:209:94//CANIS FA-  
 MILIARIS (DOG)//P38377  
 15 F-NT2RM4001084//HYPOTHETICAL TRANSCRIPTIONAL REGULATOR IN UXUR-IADA INTERGENIC RE-  
 GION//0.57:95:30//ESCHERICHIA COLI//P39376  
 F-NT2RM4001092//HYPOTHETICAL 127.4 KD PROTEIN F07F6.4 IN CHROMOSOME III//2.5e-47:231:47//  
 CAENORHABDITIS ELEGANS//Q09531  
 F-NT2RM4001116//HYPOTHETICAL 216.3 KD PROTEIN R06F6.8 IN CHROMOSOME II//1.3e-08:243:23//  
 20 CAENORHABDITIS ELEGANS//Q09417  
 F-NT2RM4001140//HOMEBOX PROTEIN MSH-D//7.1e-13:103:38//BRACHYDANIO RERIO (ZEBRAFISH)  
 (ZEBRA DANIO)//Q01704  
 F-NT2RM4001151//SYNAPSINS IA AND IB (BRAIN PROTEIN 4.1)//0.26:96:34//HOMO SAPIENS (HUMAN)//  
 P17600  
 25 F-NT2RM4001155//ADRENAL MEDULLA 50 KD PROTEIN//3.6e-103:201:91//BOS TAURUS' (BOVINE)//  
 Q27969  
 F-NT2RM4001160//GLUTATHIONE S-TRANSFERASE (EC 2.5.1.18) (CLASS-PHI) (FRAGMENTS)//1.0:33:36//  
 BRASSICA OLERACEA (CAULIFLOWER)//P48438 F-NT2RM4001187//PREPROTEIN TRANSLOCASE SECA  
 SUBUNIT//0.44:158:27//MYCOPLASMA GENITALIUM//P47318  
 30 F-NT2RM4001191//LONG NEUROTOXIN 2 (TOXIN C)//0.99:44:43//ASTROTIA STOKESI (STOKES'S SEA  
 SNAKE) (DITEIRA STOKESI)//P01381  
 F-NT2RM4001200//ZINC FINGER PROTEIN 135//2.2e-82:245:59//HOMO SAPIENS (HUMAN)//P52742  
 F-NT2RM4001203//HYPOTHETICAL 57.5 KD PROTEIN IN VMA7-RPS25A INTERGENIC REGION//0.028:94:  
 40//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53214  
 35 F-NT2RM4001204//SPLICEOSOME ASSOCIATED PROTEIN 62 (SAP 62) (SF3A66)//0.0096:182:34//HOMO  
 SAPIENS (HUMAN)//Q15428  
 F-NT2RM4001217//RING CANAL PROTEIN (KELCH PROTEIN)//2.1e-21:221:29//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY)//Q04652  
 F-NT2RM4001256//CBP3 PROTEIN PRECURSOR//0.30:55:32//SACCHAROMYCES CEREVISIAE (BAKER'S  
 40 YEAST)//P21560  
 F-NT2RM4001258//HYPOTHETICAL 35.5 KD PROTEIN IN TRANSPOSON TN4556//0.00031:132:39//STREP-  
 TOMYCES FRADIAE//P20186  
 F-NT2RM4001309//SALIVARY PROLINE-RICH PROTEIN PRECURSOR (CLONE CP7) [CONTAINS: BASIC  
 PEPTIDE P-F] (FRAGMENT)//0.048:132:28//HOMO SAPIENS (HUMAN)//P02812  
 45 F-NT2RM4001313//PHOSPHATIDYLINOSITOL 3-KINASE VPS34-LIKE (EC 2.7.1.137) (PI3-KINASE) (PTDINS-  
 3-KINASE) (PI3K)//2.6e-37:124:65//DICTYOSTELIUM DISCOIDEUM (SLIME MOLD)//P54676  
 F-NT2RM4001316//ACYL-COA DEHYDROGENASE, MEDIUM-CHAIN SPECIFIC PRECURSOR (EC 1.3.99.3)  
 (MCAD)//1.7e-10:185:30//RATTUS NORVEGICUS (RAT)//P08503  
 F-NT2RM4001320//PUTATIVE RHO/RAC GUANINE NUCLEOTIDE EXCHANGE FACTOR (RHO/RAC GEF) (FA-  
 50 CIOGENITAL DYSPLASIA PROTEIN HOMOLOG)//1.5e-08:197:26//MUS MUSCULUS (MOUSE)//P52734  
 F-NT2RM4001340//UTR4 PROTEIN (UNKNOWN TRANSCRIPT 4 PROTEIN)//7.7e-14:82:36//SACCHAROMY-  
 CES CEREVISIAE (BAKER'S YEAST)//P32626  
 F-NT2RM4001344//HYPOTHETICAL GTP-BINDING PROTEIN IN POP2-HOL1 INTERGENIC REGION//3.3e-  
 16:128:35//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53742  
 55 F-NT2RM4001347//HYPOTHETICAL 76.9 KD PROTEIN IN RPM2-TUB1 INTERGENIC REGION//0.067:111:33//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//Q04511  
 F-NT2RM4001371  
 F-NT2RM4001382//HISTIDINE-RICH GLYCOPROTEIN PRECURSOR//1.0e-08:82:39//PLASMODIUM LOPHU-

RAE//P04929  
 F-NT2RM4001384  
 F-NT2RM4001410//A-AGGLUTININ ATTACHMENT SUBUNIT PRECURSOR.//2.1e-08:185:31//SACCHAROMY-  
 CES CEREVISIAE (BAKER'S YEAST).//P32323  
 5 F-NT2RM4001411//EARLY NODULIN 20 PRECURSOR (N-20).//5.3e-05:105:38//MEDICAGO TRUNCATULA  
 (BARREL MEDIC).//P93329  
 F-NT2RM4001412//GTPASE-ACTIVATING PROTEIN (GAP) (RAS P21 PROTEIN ACTIVATOR) (P120GAP)  
 (RASGAP).//6.2e-17:109:41//RATTUS NORVEGICUS (RAT).//P50904  
 F-NT2RM4001414//ZINC FINGER PROTEIN 177.//8.3e-06:54:50//HOMO SAPIENS (HUMAN).//Q13360  
 10 F-NT2RM4001437//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!//2.1e-24:87:65//HOMO SAPIENS (HUMAN).//  
 P39192  
 F-NT2RM4001444//PROBABLE ISOLEUCYL-TRNA SYNTHETASE (EC 6.1.1.5) (ISOLEUCINE--TRNA LIGASE)  
 (ILERS) (FRAGMENT).//2.6e-45:197:47//CIONA INTESTINALIS.//Q94425  
 F-NT2RM4001454//HYPOTHETICAL PROTEIN KIAA0041 (FRAGMENT).//0.0060:95:29//HOMO SAPIENS (HU-  
 15 MAN).//Q15057  
 F-NT2RM4001455//PROBABLE E5B PROTEIN.//0.41:44:36//HUMAN PAPILLOMAVIRUS TYPE 6B.//P06461  
 F-NT2RM4001483//ZINC FINGER PROTEIN 136.//1.7e-28:85:64//HOMO SAPIENS (HUMAN).//P52737  
 F-NT2RM4001489//PTB-ASSOCIATED SPLICING FACTOR (PSF).//0.086:111:34//HOMO SAPIENS (HUMAN).//  
 P23246  
 20 F-NT2RM4001519//ACID UREASE ALPHA SUBUNIT (EC 3.5.1.5) (UREA AMIDOHYDROLASE).//0.82:51:47//  
 LACTOBACILLUS FERMENTUM.//P26929  
 F-NT2RM4001522//TROPOMYOSIN.//0.030:117:23//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST).//  
 Q02088  
 F-NT2RM4001557  
 25 F-NT2RM4001565//HYPOTHETICAL 44.3 KD PROTEIN C1F7.07C IN CHROMOSOME I.//0.99:42:40//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST).//Q09919  
 F-NT2RM4001566//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSI-  
 DASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE).//0.054:190:23//SACCHAROMYCES CEREVISIAE  
 (BAKER'S YEAST).//P08640  
 30 F-NT2RM4001569//GUANINE NUCLEOTIDE-BINDING PROTEIN BETA SUBUNIT-LIKE PROTEIN (ACTIVATED  
 PROTEIN KINASE C RECEPTOR HOMOLOG).//0.72:64:31//TRYPANOSOMA BRUCEI BRUCEI.//Q94775  
 F-NT2RM4001582  
 F-NT2RM4001592//DNA REPAIR PROTEIN RAD9.//0.00037:198:31//SACCHAROMYCES CEREVISIAE (BAK-  
 ER'S YEAST).//P14737  
 35 F-NT2RM4001594//IMMEDIATE-EARLY PROTEIN IE180.//1.9e-05:147:34//PSEUDORABIES VIRUS (STRAIN  
 KAPLAN) (PRV).//P33479  
 F-NT2RM4001597//THIOL:DISULFIDE INTERCHANGE PROTEIN TLPA (CYTOCHROME C BIOGENESIS PRO-  
 TEIN TLPA).//5.7e-06:122:29//BRADYRHIZOBIUM JAPONICUM.//P43221  
 F-NT2RM4001605//NUCLEAR PORE COMPLEX PROTEIN NUP155 (NUCLEOPORIN NUP155) (155 KD NU-  
 40 CLEOPORIN) (P140).//1.7e-128:249:96//RATTUS NORVEGICUS (RAT).//P37199  
 F-NT2RM4001611//SIS2 PROTEIN (HALOTOLERANCE PROTEIN HAL3).//1.5e-35:128:47//SACCHAROMY-  
 CES CEREVISIAE (BAKER'S YEAST).//P36024  
 F-NT2RM4001629//MAGUK P55 SUBFAMILY MEMBER 3 (MPP3 PROTEIN) (DISCS, LARGE HOMOLOG 3).//  
 5.8e-42:254:37//HOMO SAPIENS (HUMAN).//Q13368  
 45 F-NT2RM4001650//HOMEBOX PROTEIN HOX-A4 (CHOX-1.4).//0.62:19:57//GALLUS GALLUS (CHICKEN).//  
 P17277  
 F-NT2RM4001662//PROTEIN KINASE C, ALPHA TYPE (EC 2.7.1.-) (PKC-ALPHA).//0.29:90:32//HOMO SAPI-  
 ENS (HUMAN).//P17252  
 F-NT2RM4001666//HYPOTHETICAL 48.6 KD PROTEIN IN ALPA-GABP INTERGENIC REGION.//1.1e-31:137:  
 50 44//ESCHERICHIA COLI.//P37339  
 F-NT2RM4001682//PROBABLE 60S RIBOSOMAL PROTEIN L22.//0.98:55:29//CAENORHABDITIS ELEGANS.//  
 P52819  
 F-NT2RM4001710//HYPOTHETICAL PROTEIN KIAA0039 (FRAGMENT).//0.56:113:28//HOMO SAPIENS (HU-  
 MAN).//Q15054  
 55 F-NT2RM4001714//SEPTIN 2 HOMOLOG (FRAGMENT).//1.4e-108:255:77//HOMO SAPIENS (HUMAN).//  
 Q14141  
 F-NT2RM4001715//HYPOTHETICAL PROTEIN C19G10.16 IN CHROMOSOME I (FRAGMENT).//2.1e-36:148:  
 38//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST).//Q10342

F-NT2RM4001731//HYPOTHETICAL 54.9 KD PROTEIN C02F5.7 IN CHROMOSOME III//1.1e-05:90:33//  
 CAENORHABDITIS ELEGANS//P34284  
 F-NT2RM4001741//TALIN//1.1e-106:208:99//MUS MUSCULUS (MOUSE)//P26039  
 F-NT2RM4001746//EBNA-1 NUCLEAR PROTEIN//1.6e-09:155:38//EPSTEIN-BARR VIRUS (STRAIN B95-8)  
 5 (HUMAN HERPESVIRUS 4)//P03211  
 F-NT2RM4001754//COLLAGEN ALPHA 5(IV) CHAIN PRECURSOR//0.93:158:33//HOMO SAPIENS (HUMAN)//  
 P29400  
 F-NT2RM4001758//PUTATIVE SERINE/THREONINE-PROTEIN KINASE P78 (EC 2.7.1.-)//5.1e-113:277:79//  
 HOMO SAPIENS (HUMAN)//P27448  
 10 F-NT2RM4001776//MYOSIN I ALPHA (MMI-ALPHA)//2.2e-73:262:54//MUS MUSCULUS (MOUSE)//P46735  
 F-NT2RM4001783//ZINC FINGER PROTEIN HRX (ALL-1) (FRAGMENT)//5.3e-26:169:39//MUS MUSCULUS  
 (MOUSE)//P55200  
 F-NT2RM4001810//MALE SPECIFIC SPERM PROTEIN MST84DB//2.3e-05:68:42//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY)//Q01643  
 15 F-NT2RM4001813//RHODOCETIN ALPHA SUBUNIT//2.3e-05:115:34//AGKISTRODON RHODOSTOMA (MA-  
 LAYAN PIT VIPER) (CALLOSELASMA RHODOSTOMA)//P81397  
 F-NT2RM4001819//CELL SURFACE GLYCOPROTEIN EMR1 PRECURSOR (EMR1 HORMONE RECEPTOR)  
 (CELL SURFACE GLYCOPROTEIN F4/80)//1.7e-06:159:25//MUS MUSCULUS (MOUSE)//Q61549  
 F-NT2RM4001823//ZINC FINGER PROTEIN ZIC1 (ZINC FINGER PROTEIN OF THE CEREBELLUM 1)//2.6e-  
 20 18:114:40//MUS MUSCULUS (MOUSE)//P46684  
 F-NT2RM4001828//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2)//4.0e-81:253:59//HOMO SA-  
 PIENS (HUMAN)//P51523  
 F-NT2RM4001836//SPIDROIN 2 (DRAGLINE SILK FIBROIN 2) (FRAGMENT)//0.21:176:30//NEPHILA CLA-  
 VIPES (ORB SPIDER)//P46804  
 25 F-NT2RM4001841//PROLINE-RICH PEPTIDE P-B//0.046:27:40//HOMO SAPIENS (HUMAN)//P02814  
 F-NT2RM4001842//HYPOTHETICAL 7.0 KD PROTEIN B03B8.1 IN CHROMOSOME III//0.98:35:42//  
 CAENORHABDITIS ELEGANS//Q11104  
 F-NT2RM4001856//HYPOTHETICAL 75.2 KD PROTEIN IN ACS1-GCV3 INTERGENIC REGION//2.3e-37:242:  
 37//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P39722  
 30 F-NT2RM4001858//T-BOX PROTEIN VEGT (T-BOX PROTEIN BRAT) (T-BOX PROTEIN ANTIPODEAN)//1.8e-  
 23:78:64//XENOPUS LAEVIS (AFRICAN CLAWED FROG)//P87377  
 F-NT2RM4001865//NEURONAL CALCIUM SENSOR 2 (NCS-2)//0.012:83:28//CAENORHABDITIS ELEGANS//  
 P36609  
 F-NT2RM4001876//HYPOTHETICAL 118.4 KD PROTEIN IN BAT2-DAL5 INTERGENIC REGION PRECUR-  
 35 SOR//3.8e-10:242:32//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P47179  
 F-NT2RM4001880//EC PROTEIN HOMOLOG//0.22:59:32//ARABIDOPSIS THALIANA (MOUSE-EAR CRESS)//  
 P93746  
 F-NT2RM4001905//60S RIBOSOMAL PROTEIN L40 (CEP52)//0.57:20:60//HOMO SAPIENS (HUMAN), RAT-  
 TUS NORVEGICUS (RAT), AND GALLUS GALLUS (CHICKEN)//P14793  
 40 F-NT2RM4001922  
 F-NT2RM4001930//PUTATIVE GLUCOSYLTRANSFERASE C08B11.8 (EC 2.4.1.-)//5.5e-45:167:53//  
 CAENORHABDITIS ELEGANS//Q09226  
 F-NT2RM4001938//RTOA PROTEIN (RATIO-A)//0.0036:120:32//DICTYOSTELIUM DISCOIDEUM (SLIME  
 MOLD)//P54681  
 45 F-NT2RM4001940//IROQUOIS-CLASS HOMEODOMAIN PROTEIN IRX-1 (FRAGMENT)//0.32:31:48//HOMO  
 SAPIENS (HUMAN)//P78415  
 F-NT2RM4001953//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!//2.2e-43:56:85//HOMO SAPIENS (HUMAN)//  
 P39192  
 F-NT2RM4001965//IG ALPHA-1 CHAIN C REGION//0.56:73:34//GORILLA GORILLA GORILLA (LOWLAND GO-  
 50 RILLA)//P20758  
 F-NT2RM4001969//SALIVARY PROLINE-RICH PROTEIN PRECURSOR (CLONES CP3, CP4 AND CP5) [CON-  
 TAINS: BASIC PEPTIDE IB-6; PEPTIDE P-HJ//0.0016:140:27//HOMO SAPIENS (HUMAN)//P04280  
 F-NT2RM4001979//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2)//3.9e-21:103:51//HOMO SA-  
 PIENS (HUMAN)//P51523  
 55 F-NT2RM4001984//HYPOTHETICAL PROTEIN LAMBDA-SP5//0.0034:50:40//MUS MUSCULUS (MOUSE)//  
 P15974  
 F-NT2RM4001987//IRREGULAR CHIASM C-ROUGHEST PROTEIN PRECURSOR (IRREC PROTEIN)//6.9e-  
 17:115:31//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q08180



F-NT2RM4002013//HYPOTHETICAL 54.5 KD TRP-ASP REPEATS CONTAINING PROTEIN ZC302.2 IN CHROMOSOME V.//0.0062:117:28//CAENORHABDITIS ELEGANS.//Q23256  
 F-NT2RM4002018//SPORE COAT PROTEIN SP96.//4.3e-06:203:28//DICTYOSTELIUM DISCOIDEUM (SLIME MOLD).//P14328  
 5 F-NT2RM4002034//RHO-GAP HEMATOPOIETIC PROTEIN C1 (P115) (KIAA0131).//0.78:132:25//HOMO SAPIENS (HUMAN).//P98171  
 F-NT2RM4002044//VITELLOGENIN I PRECURSOR (MINOR VITELLOGENIN) [CONTAINS: LIPOVITELLIN I (LVI); PHOSVITIN (PV); LIPOVITELLIN II (LVII); YGP42].//0.062:201:24//GALLUS GALLUS (CHICKEN).//P87498  
 F-NT2RM4002054//DUPLICATE PROCYCLIN.//0.0079:44:52//TRYPANOSOMA BRUCEI BRUCEI.//P14044  
 10 F-NT2RM4002055//PUTATIVE Z PROTEIN.//0.82:39:30//OVIS ARIES (SHEEP).//P08105  
 F-NT2RM4002062//ASPARTYL-TRNA SYNTHETASE (EC 6.1.1.12) (ASPARTATE--TRNA LIGASE) (ASPRS).//7.0e-37:80:52//THERMUS AQUATICUS (SUBSP. THERMOPHILUS).//P36419  
 F-NT2RM4002063//SARCOSINE OXIDASE (EC 1.5.3.1).//2.2e-25:216:31//BACILLUS SP. (STRAIN NS-129).//P23342  
 15 F-NT2RM4002066//HYPOTHETICAL PROTEIN KIAA0192 (FRAGMENT).//1.1e-94:260:71//HOMO SAPIENS (HUMAN).//Q93074  
 F-NT2RM4002067/////ALU SUBFAMILY J WARNING ENTRY !!!!!//1.5e-15:51:70//HOMO SAPIENS (HUMAN).//P39188  
 F-NT2RM4002073//ELASTIN PRECURSOR (TROPOELASTIN).//4.9e-05:88:36//HOMO SAPIENS (HUMAN).//P15502  
 20 F-NT2RM4002075//RING CANAL PROTEIN (KELCH PROTEIN).//7.2e-43:220:41//DROSOPHILA MELANOGASTER (FRUIT FLY).//Q04652  
 F-NT2RM4002093//POLYPYRIMIDINE TRACT-BINDING PROTEIN (PTB) (HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN I) (HNRNP I) (57 KD RNA-BINDING PROTEIN PPTB-1).//1.8e-93:255:72//HOMO SAPIENS (HUMAN).//P26599  
 25 F-NT2RM4002109//KINESIN-LIKE PROTEIN KIF4.//3.7e-101:260:78//MUS MUSCULUS (MOUSE).//P33174  
 F-NT2RM4002128//HYPOTHETICAL PROTEIN IN CYCB 3'REGION PRECURSOR (ORF2) (FRAGMENT).//0.91:49:32//PARACOCCLUS DENITRIFICANS.//P29969  
 F-NT2RM4002140//GROUCHO PROTEIN (ENHANCER OF SPLIT M9/10).//0.36:104:22//DROSOPHILA MELANOGASTER (FRUIT FLY).//P16371  
 30 F-NT2RM4002145//SLIT PROTEIN PRECURSOR.//8.6e-13:127:33//DROSOPHILA MELANOGASTER (FRUIT FLY).//P24014  
 F-NT2RM4002146//MAGO NASHI PROTEIN.//7.9e-69:143:91//DROSOPHILA MELANOGASTER (FRUIT FLY).//P49028  
 35 F-NT2RM4002161//DUAL SPECIFICITY PROTEIN PHOSPHATASE (EC 3.1.3.48) (EC 3.1.3.16).//0.0062:99:26//CHLAMYDOMONAS EUGAMETOS.//Q39491  
 F-NT2RM4002174//MRP PROTEIN.//4.5e-50:183:55//ESCHERICHIA COLI.//P21590  
 F-NT2RM4002189//MUCIN 2 PRECURSOR (INTESTINAL MUCIN 2).//2.6e-14:233:29//HOMO SAPIENS (HUMAN).//Q02817  
 40 F-NT2RM4002194//TRANSMEMBRANE PROTEIN SEX PRECURSOR.//0.92:108:28//HOMO SAPIENS (HUMAN).//P51805  
 F-NT2RM4002205//ELONGATION FACTOR G, MITOCHONDRIAL PRECURSOR (MEF-G).//5.8e-39:122:72//RATTUS NORVEGICUS (RAT).//Q07803  
 F-NT2RM4002213//HYPOTHETICAL 88.4 KD PROTEIN B0464.7 IN CHROMOSOME III.//9.9e-27:110:43//CAENORHABDITIS ELEGANS.//Q03565  
 45 F-NT2RM4002226//GTPASE ACTIVATING PROTEIN ROTUND.//1.3e-21:147:41//DROSOPHILA MELANOGASTER (FRUIT FLY).//P40809  
 F-NT2RM4002251//PROTEIN EF-7 (FRAGMENT).//0.00082:45:42//MUS MUSCULUS (MOUSE).//P97805  
 F-NT2RM4002256//COLD-REGULATED PROTEIN 1 (FRAGMENT).//0.00015:114:42//HORDEUM VULGARE (BARLEY).//P23251  
 50 F-NT2RM4002266//CUTICLE COLLAGEN 2.//0.00013:142:33//CAENORHABDITIS ELEGANS.//P17656  
 F-NT2RM4002278//HYPOTHETICAL 22.2 KD PROTEIN IN NSR1-TIF4631 INTERGENIC REGION.//1.0:40:52//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P53288  
 F-NT2RM4002281  
 55 F-NT2RM4002287//GAR2 PROTEIN.//0.00055:225:23//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST).//P41891  
 F-NT2RM4002294//HYPOTHETICAL PROTEIN KIAA0281 (HA6725).//1.1e-60:152:75//HOMO SAPIENS (HUMAN).//Q92556

- F-NT2RM4002301//GENERAL STRESS PROTEIN CTC (FRAGMENT)//0.56:43:39//BACILLUS CALDOLYTICUS//P42832
- F-NT2RM4002323//NONHISTONE CHROMOSOMAL PROTEIN HMG-17//0.0080:73:35//BOS TAURUS (BOVINE)//P02313
- 5 F-NT2RM4002339//METALLOTHIONEIN 10-III (MT-10-III)//0.67:34:38//MYTILUS EDULIS (BLUE MUSSEL)//P80248
- F-NT2RM4002344//METALLOTHIONEIN-I (MT-I)//0.84:41:31//MUS MUSCULUS (MOUSE)//P02802
- F-NT2RM4002373//GLUTENIN, HIGH MOLECULAR WEIGHT SUBUNIT DY10 PRECURSOR//0.0019:190:28//TRITICUM AESTIVUM (WHEAT)//P10387
- 10 F-NT2RM4002374//5E5 ANTIGEN//0.0059:170:32//RATTUS NORVEGICUS (RAT)//Q63003
- F-NT2RM4002383//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/0.13:17:88//HOMO SAPIENS (HUMAN)//P39193
- F-NT2RM4002390
- 15 F-NT2RM4002398//HNRNP ARGININE N-METHYLTRANSFERASE (EC 2.1.1.-) (ODP1 PROTEIN)//0.034:110:27//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38074
- F-NT2RM4002409//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- ACTIVATING ENZYME)//4.0e-20:179:31//METHANOTRIX SOEHNGENII//P27095
- F-NT2RM4002438//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/1.7e-15:41:95//HOMO SAPIENS (HUMAN)//P39194
- 20 F-NT2RM4002446//CRYPTIDIN-RELATED PROTEIN 4C-1 PRECURSOR (CRS4C)//0.0058:24:50//MUS MUSCULUS (MOUSE)//P17534
- F-NT2RM4002452//METALLOTHIONEIN 10-II (MT-10-II)//0.83:48:37//MYTILUS EDULIS (BLUE MUSSEL)//P80247
- 25 F-NT2RM4002457//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/4.9e-07:52:63//HOMO SAPIENS (HUMAN)//P39192
- F-NT2RM4002460//C-HORDEIN (CLONE PC-919) (FRAGMENT)//0.92:43:30//HORDEUM VULGARE (BARLEY)//P17992
- F-NT2RM4002479//RNA HELICASE-LIKE PROTEIN DB10//1.7e-28:200:41//NICOTIANA SYLVESTRIS (WOOD TOBACCO)//P46942
- 30 F-NT2RM4002482//HYPOTHETICAL 65.9 KD PROTEIN YPR065W//8.8e-26:123:49//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//Q12514 F-NT2RM4002493//LARVAL CUTICLE PROTEIN I PRECURSOR//0.17:126:27//DROSOPHILA MIRANDA (FRUIT FLY)//P91627
- F-NT2RM4002499//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/9.4e-34:92:80//HOMO SAPIENS (HUMAN)//P39194
- 35 F-NT2RM4002504//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/3.4e-19:55:83//HOMO SAPIENS (HUMAN)//P39189
- F-NT2RM4002527//WD-40 REPEAT PROTEIN MSI2//3.0e-07:193:27//ARABIDOPSIS THALIANA (MOUSE-EAR CRESS)//O22468
- F-NT2RM4002532//AEROLYSIN REGULATORY PROTEIN//0.97:19:47//AEROMONAS SOBRIA//P09165
- 40 F-NT2RM4002534//MITOCHONDRIAL 60S RIBOSOMAL PROTEIN L32 PRECURSOR (YML32)//0.76:86:22//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P25348
- F-NT2RM4002558//LONG-CHAIN FATTY ACID TRANSPORT PROTEIN (FATP)//4.2e-55:204:50//MUS MUSCULUS (MOUSE)//Q60714
- 45 F-NT2RM4002565//CHYMOTRYPSIN/ELASTASE ISOINHIBITORS 2 TO 5//1.0:16:62//ASCARIS SUUM (PIG ROUNDWORM) (ASCARIS LUMBRICOIDES)//P07852
- F-NT2RM4002567//HYPOTHETICAL 74.0 KD PROTEIN IN CAJ1-HOM3 INTERGENIC REGION//2.7e-10:184:29//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40032
- F-NT2RM4002571//POLYPEPTIDE N-ACETYL GALACTOSAMINYLTRANSFERASE (EC 2.4.1.41) (PROTEIN-UDP ACETYL GALACTOSAMINYLTRANSFERASE) (UDP-GALNAC:POLYPEPTIDE, N- ACETYL GALACTOSAMINYLTRANSFERASE) (GALNAC-T1)//2.4e-25:124:47//HOMO SAPIENS (HUMAN)//Q10472
- 50 F-NT2RM4002593//HYPOTHETICAL 9.1 KD PROTEIN IN TETB-EXOA INTERGENIC REGION//0.95:36:38//BACILLUS SUBTILIS//P37509
- F-NT2RM4002594//MSP1 PROTEIN HOMOLOG//9.0e-68:227:60//CAENORHABDITIS ELEGANS//P54815
- F-NT2RM4002623//ASPARTYL-TRNA SYNTHETASE (EC 6.1.1.12) (ASPARTATE--TRNA LIGASE) (ASPRS)//3.3e-54:243:47//SYNECHOCYSTIS SP. (STRAIN PCC 6803)//P73851
- 55 F-NT2RP1000018//SUPPRESSOR PROTEIN SRP40//0.0023:131:25//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P32583
- F-NT2RP1000035//RING CANAL PROTEIN (KELCH PROTEIN)//1.0e-06:63:34//DROSOPHILA MELANOGASTER

NOGASTER (FRUIT FLY)//Q04652  
 F-NT2RP1000040//LETHAL NEUROTOXIN TX1//0.69:21:47//PHONEUTRIA NIGRIVENTER (BRAZILIAN  
 ARMED SPIDER)//P17727  
 5 F-NT2RP1000063//HYPOTHETICAL 25.1 KD PROTEIN IN SMC3-MRPL8 INTERGENIC REGION//3.8e-14:130:  
 30//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40359  
 F-NT2RP1000086//HYPOTHETICAL 9.4 KD PROTEIN IN RNPA-THDF INTERGENIC REGION//0:16:44:40//ES-  
 CHERICHIA COLI//P22847  
 F-NT2RP1000101//45.8 KD PROTEIN IN SHM1-MRPL37 INTERGENIC REGION//1.9e-06:74:32//SACCHARO-  
 MYCES CEREVISIAE (BAKER'S YEAST)//P38344  
 10 F-NT2RP1000111//COP1 REGULATORY PROTEIN (FUSCA PROTEIN FUS1)//2.7e-19:135:36//ARABIDOPSIS  
 THALIANA (MOUSE-EAR CRESS)//P43254  
 F-NT2RP1000112//DUAL SPECIFICITY PROTEIN KINASE TTK (EC 2.7.1.-) (PYT)//1.2e-39:91:62//HOMO SA-  
 PIENS (HUMAN)//P33981  
 F-NT2RP1000124//ATP-DEPENDENT PROTEASE LA 2 (EC 3.4.21.53)//0.074:131:24//MYXOCOCCUS XAN-  
 15 THUS//P36774  
 F-NT2RP1000130//HEPATOMA-DERIVED GROWTH FACTOR (HDGF)//1.5e-49:186:56//MUS MUSCULUS  
 (MOUSE)//P51859  
 F-NT2RP1000163//METALLOTHIONEIN (MT)//0.98:41:34//PLEURONECTES PLATESSA (PLAICE)//P07216  
 F-NT2RP1000170//SALIVARY PROLINE-RICH PROTEIN PO (ALLELE K) [CONTAINS: PEPTIDE P-D] (FRAG-  
 20 MENT)//0.85:64:35//HOMO SAPIENS (HUMAN)//P10162  
 F-NT2RP1000174//IMMEDIATE-EARLY PROTEIN IE180//0.00056:89:37//PSEUDORABIES VIRUS (STRAIN  
 KAPLAN) (PRV)//P33479  
 F-NT2RP1000191//NIFU PROTEIN//0.53:78:35//FRANKIA ALNI//P46045  
 F-NT2RP1000202//ANKYRIN, BRAIN VARIANT 2 (ANKYRIN B) (ANKYRIN, NONERYTHROID) (FRAGMENT)//  
 25 9.1e-21:148:39//HOMO SAPIENS (HUMAN)//Q01485  
 F-NT2RP1000243//HYPOTHETICAL PROTEIN MJ1136//1.4e-37:219:36//METHANOCOCCUS JANNASCHII//  
 Q58536  
 F-NT2RP1000259//HYPOTHETICAL PROTEIN TP0318//0.18:25:44//TREPONEMA PALLIDUM//O83338  
 F-NT2RP1000272//SPLICING FACTOR, ARGININE/SERINE-RICH 3 (PRE-MRNA SPLICING FACTOR SRP20)  
 30 (X16 PROTEIN)//1.6e-18:133:36//HOMO SAPIENS (HUMAN), AND MUS MUSCULUS (MOUSE)//P23152  
 F-NT2RP1000324  
 F-NT2RP1000326//HYPOTHETICAL 29.8 KD PROTEIN ZC97.1 IN CHROMOSOME III//1.0e-23:129:36//  
 CAENORHABDITIS ELEGANS//P34599  
 F-NT2RP1000333//ANTI-SILENCING PROTEIN 1//2.5e-45:147:57//SACCHAROMYCES CEREVISIAE (BAK-  
 35 ER'S YEAST)//P32447  
 F-NT2RP1000348//REDUCED VIABILITY UPON STARVATION PROTEIN 161//4.8e-14:119:34//SACCHARO-  
 MYCES CEREVISIAE (BAKER'S YEAST)//P25343  
 F-NT2RP1000357//TRYPOMASTIGOTE DECAY-ACCELERATING FACTOR (T-DAF) (FRAGMENT)//1.0:43:32//  
 TRYPANOSOMA CRUZI//Q26327  
 40 F-NT2RP1000358//HYPOTHETICAL 84.4 KD PROTEIN IN RPC2/RET1 3'REGION//7.9e-28:244:35//SACCHA-  
 ROMYCES CEREVISIAE (BAKER'S YEAST)//P39744  
 F-NT2RP1000363//SKIN SECRETORY PROTEIN XP2 PRECURSOR (APEG PROTEIN)//2.2e-07:178:30//  
 XENOPUS LAEVIS (AFRICAN CLAWED FROG)//P17437  
 F-NT2RP1000376//ANKYRIN R (ANKYRINS 2.1 AND 2.2) (ERYTHROCYTE ANKYRIN)//1.5e-20:254:31//HOMO  
 45 SAPIENS (HUMAN)//P16157  
 F-NT2RP1000409//CYTOCHROME C3 (CYTOCHROME C7) (C551.5)//1.0:34:26//DESULFUROMONAS ACE-  
 TOXIDANS (CHLOROPSEUDOMONAS ETHYLICA)//P00137  
 F-NT2RP1000413//MEMBRANE-ASSOCIATED PROTEIN HEM-2 (NAP1 PROTEIN)//3.7e-131:230:97//RAT-  
 TUS NORVEGICUS (RAT)//P55161  
 50 F-NT2RP1000416//SALIVARY GLUE PROTEIN SGS-3 PRECURSOR//0.83:54:40//DROSOPHILA SIMULANS  
 (FRUIT FLY)//P13729  
 F-NT2RP1000418//HYPOTHETICAL 9.9 KD PROTEIN IN GCVT-SPOIIIAA INTERGENIC REGION//0.24:91:35//  
 BACILLUS SUBTILIS//P49779  
 F-NT2RP1000439//HYPOTHETICAL 100.5 KD PROTEIN C1B9.04 IN CHROMOSOME I//0.13:172:22//  
 55 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q10429  
 F-NT2RP1000443//QUINONE OXIDOREDUCTASE (EC 1.6.5.5) (NADPH:QUINONE REDUCTASE) (ZETA-  
 CRYSTALLIN)//1.9e-08:167:24//HOMO SAPIENS (HUMAN)//Q08257  
 F-NT2RP1000460//NUCLEAR MOVEMENT PROTEIN NUDC//1.0e-18:149:34//EMERICELLA NIDULANS (AS-

PERGILLUS NIDULANS).//P17624  
 F-NT2RP1000470//PUTATIVE ATP-DEPENDENT RNA HELICASE T26G10.1 IN CHROMOSOME III//1.3e-43:  
 180:47//CAENORHABDITIS ELEGANS//P34580  
 F-NT2RP1000478//TUBULIN BETA-6 CHAIN (CLASS-VI)//1.5e-45:85:63//GALLUS GALLUS (CHICKEN)//  
 5 P09207  
 F-NT2RP1000481//HYPOTHETICAL 5.8 KD PROTEIN IN PUHA 5'REGION (ORF55)//0.083:21:47//RHODO-  
 BACTER CAPSULATUS (RHODOPSEUDOMONAS CAPSULATA)//P26159  
 F-NT2RP1000493//POSSIBLE DNA-REPAIR PROTEIN XP-E (POSSIBLE XERODERMA PIGMENTOSUM  
 GROUP E PROTEIN) (UV-DAMAGED DNA-BINDING PROTEIN) (UV-DDB)//6.6e-11:139:31//CERCOPITHEC-  
 10 US AETHIOPS (GREEN MONKEY) (GRIVET)//P33194  
 F-NT2RP1000513//60S RIBOSOMAL PROTEIN L22//0.017:92:30//DROSOPHILA MELANOGASTER (FRUIT  
 FLY)//P50887  
 F-NT2RP1000522//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE DUB-1 (EC 3.1.2.15) (UBIQUITIN THI-  
 OLESTERASE DUB-1) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE DUB-1) (DEUBIQUITINATING EN-  
 15 ZYME 1)//0.0055:86:36//MUS MUSCULUS (MOUSE)//Q61068  
 F-NT2RP1000547//COP-COATED VESICLE MEMBRANE PROTEIN P24 PRECURSOR (FRAGMENT)//1.2e-  
 09:69:36//CRICETULUS GRAISEUS (CHINESE HAMSTER)//P49020  
 F-NT2RP1000574//HOMEODOMAIN PROTEIN MEIS2 (MEIS1-RELATED PROTEIN 1)//6.0e-39:141:65//MUS MUS-  
 CULUS (MOUSE)//P97367  
 20 F-NT2RP1000577//PUTATIVE ATP-DEPENDENT RNA HELICASE YDL031W//0.00016:48:45//SACCHAROMY-  
 CES CEREVISIAE (BAKER'S YEAST)//Q12389  
 F-NT2RP1000581//VON WILLEBRAND FACTOR PRECURSOR//0.00017:61:50//HOMO SAPIENS (HUMAN)//  
 P04275  
 F-NT2RP1000609//LINOLEOYL-COA DESATURASE (EC 1.14.99.25) (DELTA(6)-DESATURASE)//4.4e-07:128:  
 25 31//SYNECHOCYSTIS SP. (STRAIN PCC 6803)//Q08871  
 F-NT2RP1000629//CLATHRIN COAT ASSEMBLY PROTEIN AP47 (CLATHRIN COAT ASSOCIATED PROTEIN  
 AP47) (GOLGI ADAPTOR AP-1 47 KD PROTEIN) (HA1 47 KD SUBUNIT) (CLATHRIN ASSEMBLY PROTEIN  
 ASSEMBLY PROTEIN COMPLEX 1 MEDIUM CHAIN)//4.2e-70:167:86//MUS MUSCULUS (MOUSE)//P35585  
 F-NT2RP1000630//HYPOTHETICAL 118.4 KD PROTEIN IN BAT2-DAL5 INTERGENIC REGION PRECURSOR//  
 30 0.0011:238:21//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P47179  
 F-NT2RP1000677//COLLAGEN ALPHA 1(XVI) CHAIN PRECURSOR//0.99:71:33//HOMO SAPIENS (HUMAN)//  
 Q07092  
 F-NT2RP1000688//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!//0.0024:19:94//HOMO SAPIENS (HUMAN)//  
 P39193  
 35 F-NT2RP1000695//HYPOTHETICAL 83.8 KD PROTEIN C27F2.7 IN CHROMOSOME III//2.2e-30:185:37//  
 CAENORHABDITIS ELEGANS//Q18262  
 F-NT2RP1000701//PHOSPHOLIPASE A-2-ACTIVATING PROTEIN (PLAP)//3.2e-65:128:93//RATTUS NOR-  
 VEGICUS (RAT)//P54319  
 F-NT2RP1000721//TRANSCRIPTION INITIATION FACTOR TFIID 135 KD SUBUNIT (TAFII-135) (TAFII135)  
 40 (TAFII-130) (TAFII130)//2.3e-06:139:34//HOMO SAPIENS (HUMAN)//O00268  
 F-NT2RP1000730//MYOSIN LIGHT CHAIN 1, SLOW-TWITCH MUSCLE B/VENTRICULAR ISOFORM (FRAG-  
 MENT)//0.89:40:40//MUS MUSCULUS (MOUSE)//P09542  
 F-NT2RP1000733//METALLOTHIONEIN-LIKE PROTEIN CRS5//0.024:24:45//SACCHAROMYCES CEREVI-  
 SIAE (BAKER'S YEAST)//P41902  
 45 F-NT2RP1000738//SALIVARY ACIDIC PROLINE-RICH PHOSPHOPROTEIN 1/2 PRECURSOR (PRP-1 / PRP-  
 3) (PRP-2 / PRP-4) (PIF-F / PIF-S) (PROTEIN A / PROTEIN C) [CONTAINS: PEPTIDE P-C]//0.040:82:36//HOMO  
 SAPIENS (HUMAN)//P02810  
 F-NT2RP1000746//HYPOTHETICAL 27.1 KD PROTEIN UFD4-CAP1 INTERGENIC REGION//2.0e-30:170:37//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P33201  
 50 F-NT2RP1000767//PSEUDOMONAS PEPSIN PRECURSOR (EC 3.4.23.37) (PEPSTATIN-INSENSITIVE CAR-  
 BOXYL PROTEINASE)//0.99:75:34//PSEUDOMONAS SP. (STRAIN 101)//P42790  
 F-NT2RP1000782//CELL SURFACE GLYCOPROTEIN A15 (T-CELL ACUTE LYMPHOBLASTIC LEUKEMIA AS-  
 SOCIATED ANTIGEN 1) (TALLA-1) (MEMBRANE COMPONENT, X CHROMOSOME, SURFACE MARKER 1)//  
 2.3e-23:159:35//HOMO SAPIENS (HUMAN)//P41732  
 55 F-NT2RP1000796//CORNIFIN (SMALL PROLINE-RICH PROTEIN I) (SPR-I) (SMALL PROLINE-RICH SQUA-  
 MOUS CELL MARKER) (SPRP)//0.00018:79:32//SUS SCROFA (PIG)//P35323  
 F-NT2RP1000825//GTPASE-ACTIVATING PROTEIN RHOGAP (RHO-RELATED SMALL GTPASE PROTEIN AC-  
 TIVATOR) (CDC42 GTPASE-ACTIVATING PROTEIN) (P50-RHOGAP)//3.1e-37:89:64//HOMO SAPIENS (HU-

MAN)//Q07960  
 F-NT2RP1000833//SMALL PROLINE RICH PROTEIN II (SPR-II) (CLONE 930)//0.32:29:48//HOMO SAPIENS (HUMAN)//P22531  
 F-NT2RP1000834//2-ARYLPROPIONYL-COA EPIMERASE (EC 5.-.-.-)//6.4e-67:202:68//RATTUS NORVEGICUS (RAT)//P70473  
 5 F-NT2RP1000836//HYPOTHETICAL 7.3 KD PROTEIN IN 100 KD PROTEIN REGION//1.0:35:54//HUMAN ADENOVIRUS TYPE 41//P23691  
 F-NT2RP1000846//SMALL PROLINE-RICH PROTEIN 2-1//0.013:35:48//HOMO SAPIENS (HUMAN)//P35326  
 F-NT2RP1000851//PERIOD CLOCK PROTEIN (FRAGMENT)//0.082:28:57//DROSOPHILA SALTANS (FRUIT FLY)//Q04536  
 10 F-NT2RP1000856//PLATELET-ENDOTHELIAL TETRASPAN ANTIGEN 3 (PETA-3) (GP27) (MEMBRANE GLYCOPROTEIN SFA-1) (CD151 ANTIGEN)//2.5e-26:190:30//MUS MUSCULUS (MOUSE)//Q35566  
 F-NT2RP1000860//POTENTIAL TRANSCRIPTIONAL ADAPTOR//0.13:86:36//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//Q02336  
 15 F-NT2RP1000902//HYPOTHETICAL 127.4 KD PROTEIN F07F6.4 IN CHROMOSOME III//7.6e-11:200:35//CAENORHABDITIS ELEGANS//Q09531  
 F-NT2RP1000915//HYPOTHETICAL GTP-BINDING PROTEIN IN PMI40-PAC2 INTERGENIC REGION//1.4e-06:88:35//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40010  
 F-NT2RP1000916//SUPPRESSOR PROTEIN SRP40//0.40:90:35//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P32583  
 20 F-NT2RP1000943//MUCIN 2 PRECURSOR (INTESTINAL MUCIN 2)//0.099:75:34//HOMO SAPIENS (HUMAN)//Q02817  
 F-NT2RP1000944//HYPOTHETICAL 29.3 KD PROTEIN (ORF92)//7.6e-06:65:41//ORGYIA PSEUDOTSUGATA MULTICAPSID POLYHEDROSIS VIRUS (OPMNPV)//O10341  
 25 F-NT2RP1000947//UBIQUITIN-CONJUGATING ENZYME E2-17 KD 2 (EC 6.3.2.19) (UBIQUITIN- PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) (E2(17)KB 2)//3.6e-12:27:77//HOMO SAPIENS (HUMAN), MUS MUSCULUS (MOUSE), RATTUS NORVEGICUS (RAT), AND XENOPUS LAEVIS (AFRICAN CLAWED FROG)//P51669  
 F-NT2RP1000954//RING CANAL PROTEIN (KELCH PROTEIN)//2.8e-15:169:28//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q04652  
 30 F-NT2RP1000958//HYPOTHETICAL GTP-BINDING PROTEIN IN PMI40-PAC2 INTERGENIC REGION//4.2e-16:162:32//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40010  
 F-NT2RP1000959//CORNIFIN A (SMALL PROLINE-RICH PROTEIN IA) (SPR-IA) (SPRK)//0.0031:34:44//HOMO SAPIENS (HUMAN)//P35321  
 35 F-NT2RP1000966//NUCLEOLIN (PROTEIN C23)//1.5e-52:110:95//HOMO SAPIENS (HUMAN)//P19338  
 F-NT2RP1000980//LIGHT-HARVESTING PROTEIN B-1015, ALPHA CHAIN PRECURSOR (ANTENNA PIGMENT PROTEIN, ALPHA CHAIN)//0.87:37:45//RHODOPSEUDOMONAS VIRIDIS//P04123  
 F-NT2RP1000988  
 F-NT2RP1001011//PROTEIN P19//0.96:30:50//BACTERIOPHAGE PRD1//P17638  
 40 F-NT2RP1001013//DNA-BINDING PROTEIN 65 (PROTEIN GP65)//1.0:20:45//BACTERIOPHAGE T4//P16012  
 F-NT2RP1001014  
 F-NT2RP1001033//TUBULIN GAMMA CHAIN//2.5e-16:112:42//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//P25295  
 F-NT2RP1001073//HYPOTHETICAL 10.4 KD PROTEIN IN FTR1-SPT15 INTERGENIC REGION//7.6e-16:82:51//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40089  
 45 F-NT2RP1001079//SARCOSINE OXIDASE (EC 1.5.3.1)//4.8e-15:95:40//ARTHROBACTER SP. (STRAIN TE1826)//P40873  
 F-NT2RP1001080//PROBABLE ATP-DEPENDENT RNA HELICASE DBP9//2.4e-29:126:46//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//Q06218  
 50 F-NT2RP1001113//SMALL PROLINE-RICH PROTEIN 2-1//0.49:38:39//HOMO SAPIENS (HUMAN)//P35326  
 F-NT2RP1001173//RHOMBOTIN-1 (CYSTEINE RICH PROTEIN TTG-1) (T-CELL TRANSLOCATION PROTEIN 1) (LIM-ONLY PROTEIN 1)//0.99:54:37//HOMO SAPIENS (HUMAN)//P25800  
 F-NT2RP1001177//HISTONE MACRO-H2A.1//1.6e-29:85:76//RATTUS NORVEGICUS (RAT)//Q02874  
 F-NT2RP1001185  
 55 F-NT2RP1001199//NEUROTOXIN I//1.0:23:47//CENTRUROIDES SCULPTURATUS (BARK SCORPION)//P01491  
 F-NT2RP1001247//TRANSFORMING GROWTH FACTOR BETA 4 PRECURSOR (TGF-BETA 4) (ENDOMETRIAL BLEEDING-ASSOCIATED FACTOR)//3.3e-08:28:89//HOMO SAPIENS (HUMAN)//O00292

F-NT2RP1001248//TAT PROTEIN (TRANSACTIVATING REGULATORY PROTEIN)//0.33:49:28//HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (NDK ISOLATE) (HIV-1)//P18804  
 F-NT2RP1001253//GLUCOSAMINE-6-PHOSPHATE ISOMERASE (EC 5.3.1.10) (GLUCOSAMINE-6-PHOSPHATE DEAMINASE) (GNPDA) (OSCILLIN) (KIAA0060)//3.8e-46:115:81//HOMO SAPIENS (HUMAN)//P46926  
 5 F-NT2RP1001286//GALECTIN-3 (GALACTOSE-SPECIFIC LECTIN 3) (MAC-2 ANTIGEN) (IGE-BINDING PROTEIN) (35 KD LECTIN) (CARBOHYDRATE BINDING PROTEIN 35) (CBP 35) (LAMININ-BINDING PROTEIN) (LECTIN L-29) (L-34 GALACTOSIDE-BINDING LECTIN)//0.16:48:37//MUS MUSCULUS (MOUSE)//P16110  
 F-NT2RP1001294//MICROTUBULE-ASSOCIATED PROTEIN YTM1 //6.1e-05:92:34//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//Q12024  
 10 F-NT2RP1001302//MICROTUBULE-ASSOCIATED PROTEIN YTM1 //1.2e-05:92:33//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//Q12024  
 F-NT2RP1001310//PROBABLE E4 PROTEIN//0.99:109:26//HUMAN PAPILLOMAVIRUS TYPE 5//P06924  
 F-NT2RP1001311//SODIUM/HYDROGEN EXCHANGER 5 (NA(+)/H(+) EXCHANGER 5) (NHE-5) (FRAGMENT)//0.99:94:31//HOMO SAPIENS (HUMAN)//Q14940  
 15 F-NT2RP1001313//CYTOCHROME B5//9.0e-13:92:38//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40312  
 F-NT2RP1001361//NADH-UBIQUINONE OXIDOREDUCTASE SUBUNIT B14.5B (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I-B14.5B) (CI-B14.5B)//1.2e-47:117:74//BOS TAURUS (BOVINE)//Q02827  
 F-NT2RP1001385//CELL DIVISION PROTEIN FTSN//0.64:107:28//ESCHERICHIA COLI//P29131  
 20 F-NT2RP1001395//PROCOLLAGEN ALPHA 2(I) CHAIN PRECURSOR (FRAGMENTS)//0.25:35:45//GALLUS GALLUS (CHICKEN)//P02467  
 F-NT2RP1001410//PUTATIVE GTP-BINDING PROTEIN W08E3.3//2.2e-41:129:67//CAENORHABDITIS ELEGANS//P91917  
 F-NT2RP1001424//UREASE ACCESSORY PROTEIN UREF (FRAGMENT)//0.87:24:45//ESCHERICHIA COLI//Q03286  
 25 F-NT2RP1001432//CYSTEINE PROTEINASE INHIBITOR B (CYSTATIN B) (SCB)//1.0:35:42//HELIANTHUS ANNUUS (COMMON SUNFLOWER)//Q10993  
 F-NT2RP1001449//KERATIN, ULTRA HIGH-SULFUR MATRIX PROTEIN (UHS KERATIN)//0.053:37:37//OVIS ARIES (SHEEP)//P26372  
 30 F-NT2RP1001457//HYPOTHETICAL 57.0 KD TRP-ASP REPEATS CONTAINING PROTEIN IN CPR4-SSK22 INTERGENIC REGION//2.9e-16:159:30//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P25382  
 F-NT2RP1001466//HYPOTHETICAL PROTEIN MJ0284//5.3e-15:162:35//METHANOCOCCUS JANNASCHII//Q57732  
 F-NT2RP1001475//HYPOTHETICAL 195.1 KD PROTEIN IN DNA43-UBI1 INTERGENIC REGION//0.69:119:27//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40457  
 35 F-NT2RP1001482//PROTEASOME COMPONENT C9 (EC 3.4.99.46) (MACROPAIN SUBUNIT C9) (MULTICATALYTIC ENDOPEPTIDASE COMPLEX SUBUNIT C9)//1.0:58:32//HOMO SAPIENS (HUMAN)//P25789  
 F-NT2RP1001494//MALE STERILITY PROTEIN 2//2.4e-12:84:42//ARABIDOPSIS THALIANA (MOUSE-EAR CRESS)//Q08891  
 40 F-NT2RP1001543//MYO-INOSITOL-1-PHOSPHATE SYNTHASE (EC 5.5.1.4) (IPS)//6.3e-37:94:52//SPIRODELA POLYRRHIZA//P42803  
 F-NT2RP1001546//LEUKOCYTE SURFACE ANTIGEN CD53 (CELL SURFACE GLYCOPROTEIN CD53)//9.3e-11:98:29//HOMO SAPIENS (HUMAN)//P19397  
 F-NT2RP1001569//SIGNAL RECOGNITION PARTICLE RECEPTOR BETA SUBUNIT (SR-BETA)//2.2e-64:159:84//MUS MUSCULUS (MOUSE)//P47758  
 45 F-NT2RP1001616//HYPOTHETICAL 13.5 KD PROTEIN C45G9.7 IN CHROMOSOME III//9.2e-05:49:42//CAENORHABDITIS ELEGANS//Q09506  
 F-NT2RP1001665//REGB PROTEIN//0.99:29:37//PSEUDOMONAS AERUGINOSA//Q03381  
 F-NT2RP2000001//SMALL PROLINE-RICH PROTEIN 2-1//0.64:36:41//HOMO SAPIENS (HUMAN)//P35326  
 50 F-NT2RP2000006//DNAJ PROTEIN HOMOLOG 1 (HDJ-1) (HEAT SHOCK PROTEIN 40) (HSP40)//1.7e-19:74:52//HOMO SAPIENS (HUMAN)//P25685  
 F-NT2RP2000007//TROPOMYOSIN, FIBROBLAST AND EPITHELIAL MUSCLE-TYPE (TM36) (TME1) (TM1)//0.93:126:23//HOMO SAPIENS (HUMAN)//P06468  
 F-NT2RP2000008//ZINC FINGER PROTEIN 33A (ZINC FINGER PROTEIN KOX31) (KIAA0065) (HA0946) (FRAGMENT)//4.2e-35:156:54//HOMO SAPIENS (HUMAN)//Q06730  
 55 F-NT2RP2000027//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 5 (EC 1.6.5.3) (FRAGMENT)//0.95:41:39//MACACA FASCICULARIS (CRAB EATING MACAQUE) (CYNOMOLGUS MONKEY)//P50665  
 F-NT2RP2000032//BAX PROTEIN, CYTOPLASMIC ISOFORM GAMMA//1.0:35:34//HOMO SAPIENS (HUMAN)

MAN)//Q07815  
 F-NT2RP2000040//BASIC PROLINE-RICH PEPTIDE IB-1//0.0024:58:36//HOMO SAPIENS (HUMAN)//P04281  
 F-NT2RP2000045//DNAJ PROTEIN//1.1e-12:42:66//THERMUS AQUATICUS (SUBSP. THERMOPHILUS)//  
 Q56237  
 5 F-NT2RP2000054//GONADOLIBERIN III PRECURSOR (GONADOTROPIN-RELEASING HORMONE III) (GN-  
 RH-III) (LH-RH III) (LULIBERIN III)//0.20:46:36//ONCORHYNCHUS MASOU (CHERRY SALMON) (MASU SALM-  
 ON)//P30973  
 F-NT2RP2000056//PROTEIN-TYROSINE PHOSPHATASE EPSILON PRECURSOR (EC 3.1.3.48) (R-PTP- EP-  
 SILON)//1.3e-18:45:100//MUS MUSCULUS (MOUSE)//P49446  
 10 F-NT2RP2000067//HOMEOBOX PROTEIN HOX-A5 (S12-B) (FRAGMENT)//0.71:44:40//SALMO SALAR (AT-  
 LANTIC SALMON)//P09637  
 F-NT2RP2000070//INSULIN//0.94:30:43//HYSTRIX CRISTATA (CRESTED PORCUPINE)//P01328  
 F-NT2RP2000076//ETS-LIKE PROTEIN POINTED P1 (D-ETS-2)//0.0013:76:40//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY)//P51022  
 15 F-NT2RP2000077//U1 SMALL NUCLEAR RIBONUCLEOPROTEIN C (U1-C)//0.24:49:40//HOMO SAPIENS  
 (HUMAN)//P09234  
 F-NT2RP2000079//PLATELET FACTOR 4 (PF-4)//0.15:52:30//SUS SCROFA (PIG)//P30034  
 F-NT2RP2000088//HYPOTHETICAL 13.6 KD PROTEIN IN SPT4-ROM1 INTERGENIC REGION//1.0:36:44//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53245  
 20 F-NT2RP2000091//HYPOTHETICAL PROTEIN HI0149 PRECURSOR//0.22:38:47//HAEMOPHILUS INFLUEN-  
 ZAE//P43953  
 F-NT2RP2000097//VIRUS ATTACHMENT PROTEIN (O61R)//0.75:33:36//AFRICAN SWINE FEVER VIRUS  
 (STRAIN BA71V) (ASFV)//P32510  
 F-NT2RP2000098  
 25 F-NT2RP2000108//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/2.4e-09:50:70//HOMO SAPIENS (HUMAN)//  
 P39195  
 F-NT2RP2000114//WISKOTT-ALDRICH SYNDROME PROTEIN (WASP)//0.024:52:44//HOMO SAPIENS (HU-  
 MAN)//P42768  
 F-NT2RP2000120//5.8 KD PROTEIN IN HMC OPERON (ORF 4)//0.67:37:32//DESULFOVIBRIO VULGARIS  
 (STRAIN HILDENBOROUGH)//P33391  
 30 F-NT2RP2000126//CHROMODOMAIN-HELICASE-DNA-BINDING PROTEIN 1 (CHD-1)//1.5e-23:94:47//HOMO  
 SAPIENS (HUMAN)//O14646  
 F-NT2RP2000133//SPLICEOSOME ASSOCIATED PROTEIN 49 (SAP 49) (SF3B53)//5.6e-10:82:39//HOMO SA-  
 PIENS (HUMAN)//Q15427  
 35 F-NT2RP2000147//CLATHRIN COAT ASSEMBLY PROTEIN AP47 (CLATHRIN COAT ASSOCIATED PROTEIN  
 AP47) (GOLGI ADAPTOR AP-1 47 KD PROTEIN) (HA1 47 KD SUBUNIT) (CLATHRIN ASSEMBLY PROTEIN  
 ASSEMBLY PROTEIN COMPLEX 1 MEDIUM CHAIN)//6.7e-89:96:98//MUS MUSCULUS (MOUSE)//P35585  
 F-NT2RP2000153//PEPTIDYLPROLYL ISOMERASE CYP-1 (EC 5.2.1.8) (PEPTIDYLPROLYL CIS-TRANS ISO-  
 MERASE) (CYCLOPHILIN) (PPIASE)//1.7e-05:136:33//BRUGIA MALAYI//Q27450  
 40 F-NT2RP2000157//MLO2 PROTEIN//2.7e-06:62:40//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//  
 Q09329  
 F-NT2RP2000161//DIS3 PROTEIN HOMOLOG//2.7e-33:173:45//CAENORHABDITIS ELEGANS//Q17632  
 F-NT2RP2000173//HYPOTHETICAL 10.5 KD PROTEIN IN SODA-COMGA INTERGENIC REGION//0.99:62:25//  
 BACILLUS SUBTILIS//P54499  
 45 F-NT2RP2000175//MALE SPECIFIC SPERM PROTEIN MST84DB//0.19:41:43//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY)//Q01643  
 F-NT2RP2000183//DIHYDROPYRIMIDINASE RELATED PROTEIN-2 (DRP-2) (NEURAL SPECIFIC PROTEIN  
 NSP60)//4.1e-19:114:44//BOS TAURUS (BOVINE)//O02675  
 F-NT2RP2000195//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//0.99:30:33//MICROTUS PENNSYLVANI-  
 CUS (MEADOW VOLE)//P24949  
 50 F-NT2RP2000205//MERCURIC TRANSPORT PROTEIN PERIPLASMIC COMPONENT PRECURSOR (PERI-  
 PLASMIC MERCURY ION BINDING PROTEIN) (MERCURY SCAVENGER PROTEIN)//0.098:88:25//SH-  
 EWANELLA PUTREFACIENS (PSEUDOMONAS PUTREFACIENS)//Q54463  
 F-NT2RP2000208//MALE SPECIFIC SPERM PROTEIN MST84DD//0.020:19:57//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY)//Q01645  
 55 F-NT2RP2000224//PUTATIVE CUTICLE COLLAGEN C09G5.4//0.0058:159:32//CAENORHABDITIS ELE-  
 GANS//Q09455  
 F-NT2RP2000232//P55-C-FOS PROTO-ONCOGENE PROTEIN (FRAGMENT)//1.0:44:38//OVIS ARIES

(SHEEP)//O02761  
 F-NT2RP2000233//GASTRIN/CHOLECYSTOKININ TYPE B RECEPTOR (CCK-B RECEPTOR) (CCK-BR)//  
 0.34:53:43//CANIS FAMILIARIS (DOG)//P30552  
 F-NT2RP2000239//ACIDIC PROLINE-RICH PROTEIN PRECURSOR (CLONE PRP25) (FRAGMENT)//0.019:  
 5 69:33//RATTUS NORVEGICUS (RAT)//P10164  
 F-NT2RP2000248//OVOMUCOID (FRAGMENT)//0.88:18:55//POLYPLECTRON EMPHANUM (PALAWAN PEA-  
 COCK-PHEASANT)//P52250  
 F-NT2RP2000257//PUTATIVE MITOCHONDRIAL CARRIER YIL006W//6.4e-09:83:37//SACCHAROMYCES  
 CEREVISIAE (BAKER'S YEAST)//P40556  
 10 F-NT2RP2000258//MYOSIN II HEAVY CHAIN, NON MUSCLE//0.081:217:28//DICTYOSTELIUM DISCOIDEUM  
 (SLIME MOLD)//P08799  
 F-NT2RP2000270//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!//2.4e-17:80:57//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-NT2RP2000274//HYPOTHETICAL 5.8 KD PROTEIN//0.082:22:45//CLOVER YELLOW MOSAIC VIRUS  
 15 (CYMV)//P16485  
 F-NT2RP2000283//HYPOTHETICAL 83.6 KD PROTEIN R05D3.2 IN CHROMOSOME III//0.39:38:34//  
 CAENORHABDITIS ELEGANS//P34535  
 F-NT2RP2000288  
 F-NT2RP2000289//HYPOTHETICAL 9.4 KD PROTEIN IN RNPA-THDF INTERGENIC REGION//0.40:38:42//ES-  
 20 CHERICHIA COLI//P22847  
 F-NT2RP2000297//ZINC FINGER PROTEIN 85 (ZINC FINGER PROTEIN HPF4) (HTF1)//2.3e-62:206:47//HO-  
 MO SAPIENS (HUMAN)//Q03923  
 F-NT2RP2000298//CUTICLE COLLAGEN 12 PRECURSOR//0.55:81:40//CAENORHABDITIS ELEGANS//  
 P20630  
 25 F-NT2RP2000310//RUBREDOXIN (RD)//0.13:43:41//TREPONEMA PALLIDUM//O83956  
 F-NT2RP2000327//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//1.0:46:30//GADUS MORHUA (ATLANTIC  
 COD)//P15996  
 F-NT2RP2000328//HYPOTHETICAL 86.6 KD PROTEIN IN PFK1-TDS4 INTERGENIC REGION//2.0e-21:198:  
 31//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53313  
 30 F-NT2RP2000329//GTP:AMP PHOSPHOTRANSFERASE MITOCHONDRIAL (EC 2.7.4.10) (AK3)//1.8e-91:155:  
 92//BOS TAURUS (BOVINE)//P08760  
 F-NT2RP2000337//PROTEIN A54//0.75:48:35//VACCINIA VIRUS (STRAIN WR), AND VACCINIA VIRUS  
 (STRAIN COPENHAGEN)//P21072  
 F-NT2RP2000346//MYELOID DIFFERENTIATION PRIMARY RESPONSE PROTEIN MYD116//9.7e-13:114:42//  
 35 MUS MUSCULUS (MOUSE)//P17564  
 F-NT2RP2000369//CALTRIN (CALCIUM TRANSPORT INHIBITOR)//0.98:47:34//MUS MUSCULUS (MOUSE)//  
 Q09098  
 F-NT2RP2000412//SHORT NEUROTOXIN D PRECURSOR//0.66:57:36//AIPYSURUS LAEVIS (OLIVE SEA  
 SNAKE)//P19960  
 40 F-NT2RP2000414//HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN F (HNRNP F)//1.0e-27:96:67//HO-  
 MO SAPIENS (HUMAN)//P52597  
 F-NT2RP2000420//ZINC FINGER PROTEIN 191//0.16:47:38//HOMO SAPIENS (HUMAN)//O14754  
 F-NT2RP2000422//PUTATIVE PHOSPHOACETYLGLUCOSAMINE MUTASE (EC 5.4.2.3) (ACETYLGLU-  
 COSAMINE PHOSPHOMUTASE) (N-ACETYLGLUCOSAMINE-PHOSPHATE MUTASE)//3.6e-19:148:36//  
 45 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09687  
 F-NT2RP2000438//TUBULIN GAMMA CHAIN//0.86:190:27//RETICULOMYXA FILOSA//P54405  
 F-NT2RP2000448//OXYSTEROL-BINDING PROTEIN//3.7e-13:140:42//HOMO SAPIENS (HUMAN)//P22059  
 F-NT2RP2000459//NEURONAL PROTEIN 3.1 (P311 PROTEIN)//1.0:45:35//HOMO SAPIENS (HUMAN)//  
 Q16612  
 50 F-NT2RP2000498//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!//0.062:25:68//HOMO SAPIENS (HUMAN)//  
 P39194  
 F-NT2RP2000503  
 F-NT2RP2000510//TOXIN IV-5//1.0:51:33//TITYUS BAHIIENSIS (BRAZILIAN SCORPION)//P56608  
 F-NT2RP2000516//SLYX PROTEIN//1.0:52:32//ESCHERICHIA COLI//P30857  
 55 F-NT2RP2000523//PHORBOLIN I (FRAGMENTS)//1.4e-06:36:47//HOMO-SAPIENS (HUMAN)//P31941  
 F-NT2RP2000603//ALPHA/BETA-GLIADIN PRECURSOR (PROLAMIN) (CLASS A-III)//0.93:119:26//TRITICUM  
 AESTIVUM (WHEAT)//P04723  
 F-NT2RP2000617//SPERM PROTAMINE P1 (CYSTEINE-RICH PROTAMINE)//0.056:16:62//OVIS ARIES



(SHEEP), AND CAPRA HIRCUS (GOAT).//P04102  
 F-NT2RP2000634//NEDD-4 PROTEIN (EC 6.3.2.-) (KIAA0093) (FRAGMENT).//1.8e-05:128:28//HOMO SAPIENS (HUMAN).//P46934  
 F-NT2RP2000644//HYPOTHETICAL PROTEIN HI1566 PRECURSOR.//0.85:48:39//HAEMOPHILUS INFLUENZAE.//P44257  
 5 F-NT2RP2000656//EARLY GROWTH RESPONSE PROTEIN 1 (EGR-1) (NERVE GROWTH FACTOR-INDUCED PROTEIN A) (NGFI-A).//1.0:111:24//RATTUS NORVEGICUS (RAT).//P08154  
 F-NT2RP2000658//URONATE ISOMERASE (EC 5.3.1.12) (GLUCURONATE ISOMERASE) (URONIC ISOMERASE).//0.49:79:31//ESCHERICHIA COLI.//P42607  
 10 F-NT2RP2000668//MEROZOITE SURFACE ANTIGEN 2 PRECURSOR (MSA-2) (45 KD MEROZOITE SURFACE ANTIGEN).//0.020:115:30//PLASMODIUM FALCIPARUM (ISOLATE 3D7).//P50498  
 F-NT2RP2000678//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!//0.00085:38:68//HOMO SAPIENS (HUMAN).//P39188  
 F-NT2RP2000704//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!//2.2e-17:55:74//HOMO SAPIENS (HUMAN).//P39188  
 15 F-NT2RP2000710//ASPARTYL-TRNA SYNTHETASE (EC 6.1.1.12) (ASPARTATE--TRNA LIGASE) (ASPRS).//8.9e-47:106:59//TREPONEMA PALLIDUM.//O83950  
 F-NT2RP2000715  
 F-NT2RP2000731//CONIDIATION-SPECIFIC PROTEIN 10.//0.094:31:41//NEUROSPORA CRASSA.//P10713  
 20 F-NT2RP2000758//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!//0.00027:31:74//HOMO SAPIENS (HUMAN).//P39188  
 F-NT2RP2000764//NIFS PROTEIN.//2.7e-27:175:47//ANABAENA SP. (STRAIN PCC 7120).//P12623  
 F-NT2RP2000809//HYPOTHETICAL PROTEIN MG381 HOMOLOG.//0.91:85:25//MYCOPLASMA PNEUMONIAE.//P75219  
 25 F-NT2RP2000812//DILUTE MYOSIN HEAVY CHAIN, NON-MUSCLE (MYOSIN 5A).//2.8e-07:133:31//MUS MUSCULUS (MOUSE).//Q99104  
 F-NT2RP2000814//40S RIBOSOMAL PROTEIN S27A.//0.93:44:38//LYCOPERSICON ESCULENTUM (TOMATO), AND SOLANUM TUBEROSUM (POTATO).//P27083  
 F-NT2RP2000816//HYPOTHETICAL 88.4 KD PROTEIN B0464.7 IN CHROMOSOME III.//3.3e-21:123:39//CAENORHABDITIS ELEGANS.//Q03565  
 30 F-NT2RP2000819//TROPOMYOSIN 5, CYTOSKELETAL TYPE.//1.0:71:30//MUS MUSCULUS (MOUSE).//P21107  
 F-NT2RP2000841//GUANINE NUCLEOTIDE RELEASING PROTEIN (GNRP).//0.0011:133:26//MUS MUSCULUS (MOUSE).//P27671  
 35 F-NT2RP2000842//LYSOPHOSPHATIDIC ACID RECEPTOR (EDG-2).//6.4e-13:22:95//HOMO SAPIENS (HUMAN).//Q92633  
 F-NT2RP2000845//BOWMAN-BIRK TYPE PROTEINASE INHIBITOR (MSTI).//0.92:24:41//MEDICAGO SCUTELLATA (SNAIL MEDIC).//P80321  
 F-NT2RP2000863//N-MYC PROTO-ONCOGENE PROTEIN.//0.010:148:27//XENOPUS LAEVIS (AFRICAN CLAWED FROG).//P24793  
 40 F-NT2RP2000880//PROBABLE TRANSLATION INITIATION FACTOR IF-2.//4.0e-100:199:94//HOMO SAPIENS (HUMAN).//O60841  
 F-NT2RP2000892//PROCOLLAGEN ALPHA 1(II) CHAIN PRECURSOR [CONTAINS: CHONDROCALCIN].//0.43:45:44//MUS MUSCULUS (MOUSE).//P28481  
 45 F-NT2RP2000931//MATRIN 3.//2.8e-46:104:92//RATTUS NORVEGICUS (RAT).//P43244  
 F-NT2RP2000932//2-5A-DEPENDENT RIBONUCLEASE (EC 3.1.26.-) (2-5A-DEPENDENT RNAASE) (RNASE L) (RIBONUCLEASE 4) (FRAGMENT).//3.9e-07:113:31//MUS MUSCULUS (MOUSE).//Q05921  
 F-NT2RP2000938//VOLTAGE-GATED POTASSIUM CHANNEL PROTEIN KV3.3 (KSHIID).//0.026:59:45//RATTUS NORVEGICUS (RAT).//Q01956  
 50 F-NT2RP2000943//HYPOTHETICAL PROTEIN KIAA0079 (HA3543).//5.9e-18:161:42//HOMO SAPIENS (HUMAN).//P53992  
 F-NT2RP2000965//INNER CENTROMERE PROTEIN (INCENP).//0.062:156:25//GALLUS GALLUS (CHICKEN).//P53352  
 F-NT2RP2000970//EC PROTEIN HOMOLOG.//1.0:50:30//ARABIDOPSIS THALIANA (MOUSE-EAR CRESS).//P93746  
 55 F-NT2RP2000985//HYPOTHETICAL 96.8 KD PROTEIN IN SIS2-MTD1 INTERGENIC REGION.//2.5e-06:53:47//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P36159  
 F-NT2RP2000987//INSECT TOXIN 4 (INSECT TOXIN AAH IT4).//1.0:32:34//ANDROCTONUS AUSTRALIS HEC-

TOR (SAHARA SCORPION)//P21150  
 F-NT2RP2001036//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/1.2e-33:65:81//HOMO SAPIENS (HUMAN)//  
 P39193  
 F-NT2RP2001044//HIRUSTASIN//0.97:15:66//HIRUDO MEDICINALIS (MEDICINAL LEECH)//P80302  
 5 F-NT2RP2001056//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/1.0e-24:85:65//HOMO SAPIENS (HUMAN)//  
 P39194  
 F-NT2RP2001065//BOWMAN-BIRK TYPE SEED TRYPSIN AND CHYMOTRYPSIN INHIBITOR (BTCI)//0.41:50:  
 32//VIGNA UNGUICULATA (COWPEA)//P17734  
 F-NT2RP2001070//PROBABLE PYRIDOXAMINE 5'-PHOSPHATE OXIDASE (EC 1.4.3.5) (PNP/PMP OXIDASE)  
 10 (FPRA PROTEIN)//6.2e-18:64:48//MYXOCOCCUS XANTHUS//P21159  
 F-NT2RP2001081//SYNAPTOTAGMIN IV//7.8e-16:94:46//RATTUS NORVEGICUS (RAT)//P50232  
 F-NT2RP2001094//METALLOTHIONEIN-I (MT-I)//1.0:24:33//RATTUS NORVEGICUS (RAT)//P02803  
 F-NT2RP2001119//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/7.5e-11:61:63//HOMO SAPIENS (HUMAN)//  
 P39195  
 15 F-NT2RP2001127//XE169 PROTEIN (SMCX PROTEIN) (FRAGMENTS)//1.0e-47:155:58//MUS MUSCULUS  
 (MOUSE)//P41230  
 F-NT2RP2001137//COLLAGEN ALPHA 1(XII) CHAIN (FRAGMENTS)//0.10:68:39//BOS TAURUS (BOVINE)//  
 P25508  
 F-NT2RP2001149//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/1.1e-13:81:59//HOMO SAPIENS (HUMAN)//  
 20 P39188  
 F-NT2RP2001168//PROTEIN KINASE C SUBSTRATE 80 KD PROTEIN (FRAGMENTS)//0.0071:77:33//RATTUS  
 NORVEGICUS (RAT)//P20468  
 F-NT2RP2001173//CYTOSKELETON-ASSOCIATED PROTEIN CKAPI (TUBULIN FOLDING COFACTOR B)//  
 1.0:36:41//HOMO SAPIENS (HUMAN)//Q99426  
 25 F-NT2RP2001174//ZINC FINGER PROTEIN 137//7.2e-11:65:43//HOMO SAPIENS (HUMAN)//P52743  
 F-NT2RP2001196//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 2 (EC 1.6.5.3)//1.0:95:26//CAPRA HIR-  
 CUS (GOAT)//Q36346  
 F-NT2RP2001218//HYPOTHETICAL 59.2 KD PROTEIN IN MOB1-SGA1 INTERGENIC REGION//0.00024:80:  
 23//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40486  
 30 F-NT2RP2001226//RABPHILIN-3A (FRAGMENT)//4.6e-05:121:39//MUS MUSCULUS (MOUSE)//P47708  
 F-NT2RP2001233//ZINC FINGER PROTEIN ZFP-36 (FRAGMENT)//3.2e-61:153:56//HOMO SAPIENS (HU-  
 MAN)//P16415  
 F-NT2RP2001245//SYNAPTONEMAL COMPLEX PROTEIN 1 (SCP-1 PROTEIN)//4.9e-05:230:21//HOMO SA-  
 PIENS (HUMAN)//Q15431  
 35 F-NT2RP2001268//HOMEBOX PROTEIN CEH-32//0.23:159:25//CAENORHABDITIS ELEGANS//Q23175  
 F-NT2RP2001277  
 F-NT2RP2001290//BETA-SOLUBLE NSF ATTACHMENT PROTEIN (SNAP-BETA) (SNAP-ALPHA HOMOLOG)  
 (BRAIN PROTEIN I47) (FRAGMENT)//1.0e-86:131:97//MUS MUSCULUS (MOUSE)//P28663  
 F-NT2RP2001295  
 40 F-NT2RP2001312//N-ACETYLGALUCOSAMINE-6-SULFATASE PRECURSOR (EC 3.1.6.14) (G6S) (GLU-  
 COSAMINE-6-SULFATASE)//0.64:80:33//CAPRA HIRCUS (GOAT)//P50426  
 F-NT2RP2001327//TUMOR NECROSIS FACTOR, ALPHA-INDUCED PROTEIN 1, ENDOTHELIAL (B12 PRO-  
 TEIN)//1.0e-36:118:65//HOMO SAPIENS (HUMAN)//Q13829  
 F-NT2RP2001328//PROBABLE E5 PROTEIN//1.0:46:41//HUMAN PAPILLOMAVIRUS TYPE 33//P06426  
 45 F-NT2RP2001347//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/4.5e-19:66:62//HOMO SAPIENS (HUMAN)//  
 P39193  
 F-NT2RP2001366//SPERM-SPECIFIC PROTEIN PHI-1//0.66:55:32//MYTILUS EDULIS (BLUE MUSSEL)//  
 Q04621  
 F-NT2RP2001378//VOLTAGE-GATED POTASSIUM CHANNEL PROTEIN KV3.3 (KSHIID) (FRAGMENT)//  
 50 0.060:78:33//HOMO SAPIENS (HUMAN)//Q14003  
 F-NT2RP2001381//26S PROTEASE REGULATORY SUBUNIT 8 (SUG1 HOMOLOG) (XSUG1)//1.0:167:26//  
 XENOPUS LAEVIS (AFRICAN CLAWED FROG)//P46470  
 F-NT2RP2001392//KERATIN, HIGH-SULFUR MATRIX PROTEIN, IIIA3//0.0080:82:32//OVIS ARIES (SHEEP)//  
 P02441  
 55 F-NT2RP2001394//POLYHOMEOTIC-PROXIMAL CHROMATIN PROTEIN//0.024:39:53//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY)//P39769  
 F-NT2RP2001397//G2/MITOTIC-SPECIFIC CYCLIN B2//1.4e-46:125:78//MESOCRICETUS AURATUS (GOLD-  
 EN HAMSTER)//P37883

F-NT2RP2001420//SALIVARY PROLINE-RICH PROTEIN PRECURSOR (CLONES CP3, CP4 AND CP5) [CONTAINS: BASIC PEPTIDE IB-6; PEPTIDE P-H]//0.00018:113:38//HOMO SAPIENS (HUMAN)//P04280  
 F-NT2RP2001423//HYPOTHETICAL 9.4 KD PROTEIN IN GP31-CD INTERGENIC REGION (ORF A)//0.90:23:43//BACTERIOPHAGE T4//P17307  
 5 F-NT2RP2001427//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/2.2e-11:38:68//HOMO SAPIENS (HUMAN)//P39188  
 F-NT2RP2001436//DYNEIN LIGHT INTERMEDIATE CHAIN 2, CYTOSOLIC (LIC53/55) (LIC-2)//0.25:124:28//RATTUS NORVEGICUS (RAT)//Q62698  
 F-NT2RP2001440//14-3-3 PROTEIN GAMMA (PROTEIN KINASE C INHIBITOR PROTEIN-1) (KCIP-1)//4.8e-62:145:90//RATTUS NORVEGICUS (RAT)//P35214  
 10 F-NT2RP2001445  
 F-NT2RP2001449//CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR, 100 KD SUBUNIT (CPSF 100 KD SUBUNIT)//9.5e-118:226:95//BOS TAURUS (BOVINE)//Q10568  
 F-NT2RP2001450  
 15 F-NT2RP2001467//SHORT NEUROTOXIN 1 (TOXIN V-II-1)//1.0:25:40//BUNGARUS FASCIATUS (BANDED KRAIT)//P10808  
 F-NT2RP2001506  
 F-NT2RP2001511//HYPOTHETICAL 115.4 KD PROTEIN ZK757.3 IN CHROMOSOME III//0.49:124:29//CAENORHABDITIS ELEGANS//P34681  
 20 F-NT2RP2001520//VITAMIN D-DEPENDENT CALCIUM-BINDING PROTEIN, INTESTINAL (CABP) (CALBINDIN D9K)//0.035:71:33//HOMO SAPIENS (HUMAN)//P29377  
 F-NT2RP2001526  
 F-NT2RP2001536//METALLOTHIONEIN-I (MT-1)//1.0:19:42//COLUMBA LIVIA (DOMESTIC PIGEON)//P15786  
 F-NT2RP2001560//CUTICLE COLLAGEN 12 PRECURSOR//0.0018:144:35//CAENORHABDITIS ELEGANS//P20630  
 25 F-NT2RP2001569//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/2.7e-31:102:67//HOMO SAPIENS (HUMAN)//P39194  
 F-NT2RP2001576//SMP3 PROTEIN//0.00016:75:36//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//Q04174  
 30 F-NT2RP2001581//TRANSMEMBRANE PROTEIN SEX PRECURSOR//0.040:46:36//HOMO SAPIENS (HUMAN)//P51805  
 F-NT2RP2001597//PROBABLE E4 PROTEIN//0.00042:113:34//HUMAN PAPILLOMAVIRUS TYPE 5//P06924  
 F-NT2RP2001601  
 F-NT2RP2001613//HOMEBOX PROTEIN SAX-1 (CHOX-3) (FRAGMENT)//0.14:59:32//GALLUS GALLUS (CHICKEN)//P19601  
 35 F-NT2RP2001628//A-AGGLUTININ ATTACHMENT SUBUNIT PRECURSOR//0.056:140:33//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P32323  
 F-NT2RP2001634//ALPHA-CATENIN//7.1e-12:152:35//DROSOPHILA MELANOGASTER (FRUIT FLY)//P35220  
 40 F-NT2RP2001660//HYPOTHETICAL 80.4 KD PROTEIN IN SMC3-MRPL8 INTERGENIC REGION//0.43:119:26//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40358  
 F-NT2RP2001663//ALPHA ENOLASE (EC 4.2.1.11) (2-PHOSPHO-D-GLYCERATE HYDRO-LYASE) (NON-NEURAL ENOLASE) (NNE) (PHOSPHOPYRUVATE HYDRATASE)//1.2e-26:126:56//HOMO SAPIENS (HUMAN)//P06733  
 45 F-NT2RP2001675//HYPOTHETICAL 107.7 KD PROTEIN IN RPSO 5'REGION (ORF1)//0.25:148:25//CAMPYLOBACTER JEJUNI//Q46089  
 F-NT2RP2001677//ACIDIC PROLINE-RICH PROTEIN PRECURSOR (CLONE PRP25) (FRAGMENT)//0.010:101:31//RATTUS NORVEGICUS (RAT)//P10164  
 50 F-NT2RP2001678//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/2.6e-18:83:61//HOMO SAPIENS (HUMAN)//P39188  
 F-NT2RP2001699//PROTEIN C14//0.98:51:31//VACCINIA VIRUS (STRAIN COPENHAGEN)//P21045  
 F-NT2RP2001720//MEROZOITE SURFACE ANTIGEN 2 PRECURSOR (MSA-2) (ALLELIC FORM 1)//0.16:145:30//PLASMODIUM FALCIPARUM (ISOLATE CAMP / MALAYSIA)//Q99317  
 55 F-NT2RP2001721//MALE-SPECIFIC LETHAL-2 PROTEIN//0.00090:48:39//DROSOPHILA MELANOGASTER (FRUIT FLY)//P50534  
 F-NT2RP2001740//ANNEXIN VII (SYNEXIN) (FRAGMENT)//0.50:43:25//BOS TAURUS (BOVINE)//P20072  
 F-NT2RP2001748//SALIVARY PROLINE-RICH PROTEIN PO (ALLELE K) [CONTAINS: PEPTIDE P-D] (FRAG-

MENT)//0.77:111:28//HOMO SAPIENS (HUMAN)//P10162  
 F-NT2RP2001762  
 F-NT2RP2001813//PHOTOSYSTEM I REACTION CENTRE SUBUNIT VIII (PSI-I)//1.0:22:40//PICEA ABIES  
 (NORWAY SPRUCE) (PICEA EXCELSA)//O47040  
 5 F-NT2RP2001839//SCY1 PROTEIN//6.8e-17:204:27//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//  
 P53009  
 F-NT2RP2001861//D15KZ1 PROTEIN (FRAGMENT)//0.31:56:39//MUS MUSCULUS (MOUSE)//Q61466  
 F-NT2RP2001869//CORNEODESMOSIN (S PROTEIN) (FRAGMENT)//0.97:78:30//SUS SCROFA (PIG)//  
 O19084  
 10 F-NT2RP2001876//ALLOGRAFT INFLAMMATORY FACTOR-1 (AIF-1) (IONIZED CALCIUM BINDING ADAPTER  
 MOLECULE 1)//3.5e-36:106:66//HOMO SAPIENS (HUMAN)//P55008  
 F-NT2RP2001883//CATHEPSIN L (EC 3.4.22.15)//0.95:29:41//OVIS ARIES (SHEEP)//Q10991  
 F-NT2RP2001898//TYPE II INOSITOL-1,4,5-TRISPHOSPHATE 5-PHOSPHATASE PRECURSOR (EC 3.1.3.56)  
 (5PTASE) (FRAGMENT)//1.6e-84:185:88//HOMO SAPIENS (HUMAN)//P32019  
 15 F-NT2RP2001900//ACTIN-LIKE PROTEIN ARP5//1.1e-17:180:34//SACCHAROMYCES CEREVISIAE (BAK-  
 ER'S YEAST)//P53946  
 F-NT2RP2001907//HYPHAL WALL PROTEIN 1 (CELL ELONGATION PROTEIN 2)//0.13:108:27//CANDIDA AL-  
 BICANS (YEAST)//P46593  
 F-NT2RP2001926//HYPOTHETICAL 7.6 KD PROTEIN YCF33//0.55:57:26//CYANOPHORA PARADOXA//  
 20 P48273  
 F-NT2RP2001936  
 F-NT2RP2001943//HYPOTHETICAL 57.7 KD PROTEIN IN AIP1-CTF13 INTERGENIC REGION//1.8e-13:208:  
 22//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//Q04305  
 F-NT2RP2001946//HYPOTHETICAL 13.0 KD PROTEIN IN ALGR3 3'REGION//0.59:76:28//PSEUDOMONAS  
 25 AERUGINOSA//P21485  
 F-NT2RP2001947//ZINC FINGER PROTEIN DAN (N03)//0.53:68:29//RATTUS NORVEGICUS (RAT)//Q06880  
 F-NT2RP2001969//CHLOROPLAST 30S RIBOSOMAL PROTEIN S18//0.0015:52:34//CHLORELLA VUL-  
 GARIS//P56353  
 F-NT2RP2001976//DILUTE MYOSIN HEAVY CHAIN, NON-MUSCLE (MYOSIN 5A)//9.5e-07:201:22//MUS MUS-  
 30 CULUS (MOUSE)//Q99104  
 F-NT2RP2001985//PROLINE-RICH PROTEIN MP-2 PRECURSOR//0.016:90:32//MUS MUSCULUS (MOUSE)//  
 P05142  
 F-NT2RP2001991//SODIUM- AND CHLORIDE-DEPENDENT TRANSPORTER NTT73//8.0e-14:47:76//RATTUS  
 NORVEGICUS (RAT)//Q08469  
 35 F-NT2RP2002025//NG-CAM RELATED CELL ADHESION MOLECULE PRECURSOR (NR-CAM) (BRAVO)//  
 2.9e-30:211:42//GALLUS GALLUS (CHICKEN)//P35331  
 F-NT2RP2002032//FLOCCULANT-ACTIVE PROTEINS MO2.1 AND MO2.2//0.23:20:40//MORINGA OLEIFERA  
 (HORSERADISH TREE) (MORINGA PTERYGOSPERMA)//P24303  
 F-NT2RP2002033//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!//0.88:27:62//HOMO SAPIENS (HUMAN)//  
 40 P39193  
 F-NT2RP2002041  
 F-NT2RP2002046//MATING PROCESS PROTEIN MID2 (SERINE-RICH PROTEIN SMS1) (PROTEIN KINASE  
 A INTERFERENCE PROTEIN)//1.0:85:31//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P36027  
 F-NT2RP2002047  
 45 F-NT2RP2002058//DOM34 INTERACTING PROTEIN 2//9.4e-25:165:34//SACCHAROMYCES CEREVISIAE  
 (BAKER'S YEAST)//Q12220  
 F-NT2RP2002066//TIGHT JUNCTION PROTEIN ZO-1 (TIGHT JUNCTION PROTEIN 1)//5.7e-12:108:41//HOMO  
 SAPIENS (HUMAN)//Q07157  
 F-NT2RP2002070//CYTOCHROME C OXIDASE POLYPEPTIDE II (EC 1.9.3.1) (FRAGMENT)//0.88:28:50//AS-  
 50 TERINA PECTINIFERA (STARFISH)//P11958  
 F-NT2RP2002076//TRP-ASP REPEATS CONTAINING PROTEIN RBA-2//0.0031:124:27//CAENORHABDITIS  
 ELEGANS//P90916  
 F-NT2RP2002078//KERATIN, GLYCINE/TYROSINE-RICH OF HAIR//0.82:30:40//OVIS ARIES (SHEEP)//  
 Q02958  
 55 F-NT2RP2002079//OUTER DENSE FIBER PROTEIN//0.34:41:39//HOMO SAPIENS (HUMAN)//Q14990  
 F-NT2RP2002099//HETEROGENOUS NUCLEAR RIBONUCLEOPROTEIN U (HNRNP U)//5.2e-08:81:48//HO-  
 MO SAPIENS (HUMAN)//Q00839  
 F-NT2RP2002105//COLLAGEN 1(X) CHAIN PRECURSOR//0.0012:100:34//BOS TAURUS (BOVINE)//P23206

F-NT2RP2002124//EARLY GROWTH RESPONSE PROTEIN 1 (EGR-1) (KROX24) (TRANSCRIPTION FACTOR ETR103) (ZINC FINGER PROTEIN 225) (AT225)//0.74:72:31//HOMO SAPIENS (HUMAN)//P18146  
 F-NT2RP2002137//NEUROTOXIN B-II//1.0:27:44//CEREBRATULUS LACTEUS (MILKY RIBBON WORM)//P01526  
 5 F-NT2RP2002154//GALECTIN-3 (GALACTOSE-SPECIFIC LECTIN 3) (MAC-2 ANTIGEN) (IGE-BINDING PROTEIN) (35 KD LECTIN) (CARBOHYDRATE BINDING PROTEIN 35) (CBP 35) (LAMININ-BINDING PROTEIN) (LECTIN L-29) (L-34 GALACTOSIDE-BINDING LECTIN)//0.0029:112:34//MUS MUSCULUS (MOUSE)//P16110  
 F-NT2RP2002172  
 F-NT2RP2002185//UBIQUITIN-LIKE PROTEIN DSK2//1.8e-07:87:40//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P48510  
 10 F-NT2RP2002192  
 F-NT2RP2002193//CUTICLE COLLAGEN 40//0.0062:70:37//CAENORHABDITIS ELEGANS//P34804  
 F-NT2RP2002208//PEROXISOME ASSEMBLY PROTEIN PEX10 (PEROXIN-10)//0.00011:45:40//HOMO SAPIENS (HUMAN)//060683  
 15 F-NT2RP2002219  
 F-NT2RP2002231//V-TYPE SODIUM ATP SYNTHASE SUBUNIT E (EC 3.6.1.34) (NA(+)-TRANSLOCATING ATPASE SUBUNIT E)//1.0:68:32//ENTEROCOCCUS HIRAE//P43436  
 F-NT2RP2002235//INFECTED CELL PROTEIN ICP34.5 (NEUROVIRULENCE FACTOR ICP34.5)//0.0022:66:45//HERPES SIMPLEX VIRUS (TYPE 1 / STRAIN CVG-2)//P37318  
 20 F-NT2RP2002252//DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT (EC 2.7.7.6) (RPB1) (FRAGMENT)//0.071:110:31//CRICETULUS GRISEUS (CHINESE HAMSTER)//P11414  
 F-NT2RP2002256//CYTOCHROME P450 26 (EC 1.14.-.-) (RETINOIC ACID-METABOLIZING CYTOCHROME) (P450RAI) (RETINOIC ACID 4-HYDROXYLASE)//3.1e-31:75:84//MUS MUSCULUS (MOUSE)//O55127  
 F-NT2RP2002259//L-MYC-1 PROTO-ONCOGENE PROTEIN//1.9e-17:41:90//HOMO SAPIENS (HUMAN)//P12524  
 25 F-NT2RP2002270//HYPOTHETICAL 26.0 KD PROTEIN IN CYB5-LEU4 INTERGENIC REGION//2.1e-27:164:36//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53930  
 F-NT2RP2002292//IMMEDIATE-EARLY PROTEIN RSP40//0.018:107:23//PSEUDORABIES VIRUS (STRAIN KAPLAN) (PRV)//P24827  
 30 F-NT2RP2002312//PHOSPHATIDATE CYTIDYLYLTRANSFERASE (EC 2.7.7.41) (CDP-DIGLYCERIDE SYNTHETASE) (CDP-DIGLYCERIDE PYROPHOSPHORYLASE) (CDP-DIACYLGLYCEROL SYNTHASE) (CDS) (CTP:PHOSPHATIDATE CYTIDYLYLTRANSFERASE) (CDP-DAG SYNTHASE)//1.4e-52:174:55//HOMO SAPIENS (HUMAN)//Q92903  
 F-NT2RP2002316//HISTONE H1.C6/H1.C9//1.0:40:40//TRYPANOSOMA CRUZI//P40269  
 35 F-NT2RP2002325//PEROXISOMAL MEMBRANE PROTEIN PMP30A (PMP31) (PEROXIN 11A)//2.2e-06:145:26//CANDIDA BOIDINII (YEAST)//Q00316  
 F-NT2RP2002333//HYPOTHETICAL 39.1 KD PROTEIN IN RNPB-SOHA INTERGENIC REGION (ORF 3)//0.30:86:32//ESCHERICHIA COLI//P23524  
 F-NT2RP2002373//SYNAPSINS IA AND IB//0.080:145:31//BOS TAURUS (BOVINE)//P17599  
 40 F-NT2RP2002385//ENV POLYPROTEIN PRECURSOR (COAT POLYPROTEIN) [CONTAINS: KNOB PROTEIN GP70; SPIKE PROTEIN P15E; R PROTEIN]//0.021:66:28//MINK CELL FOCUS-FORMING MURINE LEUKEMIA VIRUS (ISOLATE CI-3)//P03388  
 F-NT2RP2002394  
 F-NT2RP2002408//COLLAGEN ALPHA 1(I) CHAIN (FRAGMENTS)//0.00030:107:37//BOS TAURUS (BOVINE)//P02453  
 45 F-NT2RP2002426  
 F-NT2RP2002439//CIRCUMSPOROZOITE PROTEIN PRECURSOR (CS)//0.00032:79:32//PLASMODIUM BERGHEI (STRAIN ANKA)//P23093  
 F-NT2RP2002442//HESA PROTEIN//6.0e-16:163:30//PLECTONEMA BORYANUM//P46037  
 50 F-NT2RP2002457  
 F-NT2RP2002464//HYPOTHETICAL 60.7 KD PROTEIN C56F8.17C IN CHROMOSOME I//9.3e-18:165:32//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q10264  
 F-NT2RP2002475//CYSTEINE-RICH HEART PROTEIN (HCRHP)//0.91:45:35//HOMO SAPIENS (HUMAN)//P50238  
 55 F-NT2RP2002479//ATP-BINDING CASSETTE TRANSPORTER 7 PRECURSOR (ABC TRANSPORTER 7 PROTEIN)//6.8e-96:186:94//HOMO SAPIENS (HUMAN)//O75027  
 F-NT2RP2002498//HYPOTHETICAL MERCURIC RESISTANCE PROTEIN MERC//0.65:37:45//PSEUDOMONAS AERUGINOSA//P04139

F-NT2RP2002503//ZINC FINGER PROTEIN 45 (BRC1744)//1.3e-31:124:59//HOMO SAPIENS (HUMAN)//Q02386  
 F-NT2RP2002504//NUCLEAR PORE COMPLEX PROTEIN NUP155 (NUCLEOPORIN NUP155) (155 KD NUCLEOPORIN) (P140)//1.2e-123:240:92//RATTUS NORVEGICUS (RAT)//P37199  
 5 F-NT2RP2002520//ACIDIC PROLINE-RICH PROTEIN HP43A PRECURSOR//0.94:83:28//MESOCRICETUS AURATUS (GOLDEN HAMSTER)//P06680  
 F-NT2RP2002537//HYPOTHETICAL 55.1 KD PROTEIN B0416.5 IN CHROMOSOME X//4.0e-10:194:23//CAENORHABDITIS ELEGANS//Q11073  
 F-NT2RP2002546  
 10 F-NT2RP2002549//G2/MITOTIC-SPECIFIC CYCLIN C13-1 (A-LIKE CYCLIN) (FRAGMENT)//0.98:65:30//DAUCUS CAROTA (CARROT)//P25010  
 F-NT2RP2002591//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2)//2.6e-19:60:61//HOMO SAPIENS (HUMAN)//P51523  
 F-NT2RP2002595//ANNEXIN VII (SYNEXIN)//1.2e-15:121:49//XENOPUS LAEVIS (AFRICAN CLAWED FROG)//Q92125  
 15 F-NT2RP2002606//PROTEIN TRANSPORT PROTEIN SEC2//0.00034:98:31//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P17065  
 F-NT2RP2002609//HYPOTHETICAL 52.0 KD PROTEIN IN CLB6-SPT6 INTERGENIC REGION//0.00022:79:39//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53264  
 20 F-NT2RP2002618//PROTEIN ARGININE N-METHYLTRANSFERASE 1 (EC 2.1.1.-)//6.2e-37:180:44//RATTUS NORVEGICUS (RAT)//Q63009  
 F-NT2RP2002621//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 5 (EC 1.6.5.3) (FRAGMENT)//0.98:37:35//LEMUR CATTAL (RING-TAILED LEMUR)//Q34879  
 F-NT2RP2002643//INFECTED CELL PROTEIN ICP34.5 (NEUROVIRULENCE FACTOR ICP34.5)//0.042:77:32//25 HERPES SIMPLEX VIRUS (TYPE 1 / STRAIN MGH-10)//P37319  
 F-NT2RP2002672//PROTEIN Q300//0.0018:41:43//MUS MUSCULUS (MOUSE)//Q02722  
 F-NT2RP2002701//HYPOTHETICAL 72.5 KD PROTEIN C2F7.10 IN CHROMOSOME I//3.6e-17:100:42//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09701  
 F-NT2RP2002706//IMMEDIATE-EARLY PROTEIN IE180//0.00027:139:33//PSEUDORABIES VIRUS (STRAIN 30 KAPLAN) (PRV)//P33479  
 F-NT2RP2002710//SH3-BINDING PROTEIN 3BP-1//6.9e-09:96:40//MUS MUSCULUS (MOUSE)//P55194  
 F-NT2RP2002727//TUBERIN (TUBEROUS SCLEROSIS 2 HOMOLOG PROTEIN)//3.6e-20:160:36//RATTUS NORVEGICUS (RAT)//P49816  
 F-NT2RP2002736  
 35 F-NT2RP2002740  
 F-NT2RP2002741//RHO1 GDP-GTP EXCHANGE PROTEIN 2//2.0e-07:178:28//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P51862  
 F-NT2RP2002750//ALU SUBFAMILY SB2 WARNING ENTRY !!!!!//1.6e-09:43:72//HOMO SAPIENS (HUMAN)//P39191  
 40 F-NT2RP2002752//LOW CALCIUM RESPONSE LOCUS PROTEIN T//0.95:33:39//YERSINIA PSEUDOTUBERCULOSIS//Q00932  
 F-NT2RP2002753//ENDOGLUCANASE EG-1 PRECURSOR (EC 3.2.1.4) (ENDO-1,4-BETA-GLUCANASE) (CELLULASE)//0.71:78:33//TRICHODERMA LONGIBRACHIATUM//Q12714  
 F-NT2RP2002769//50 KD SPICULE MATRIX PROTEIN PRECURSOR//0.44:76:32//STRONGYLOCENTROTUS 45 PURPURATUS (PURPLE SEA URCHIN)//P11994  
 F-NT2RP2002778  
 F-NT2RP2002800//CRAMBIN//0.99:20:50//CRAMBE ABYSSINICA (ABYSSINIAN CRAMBE)//P01542  
 F-NT2RP2002839//SALIVARY PROLINE-RICH PROTEIN PRECURSOR (CLONE CP7) [CONTAINS: BASIC PEPTIDE P-F] (FRAGMENT)//0.010:87:31//HOMO SAPIENS (HUMAN)//P02812  
 50 F-NT2RP2002857//ACIDIC PROLINE-RICH PROTEIN PRECURSOR (CLONE PRP33)//0.00018:57:45//RATTUS NORVEGICUS (RAT)//P04474  
 F-NT2RP2002862//HYPOTHETICAL 27.1 KD PROTEIN UFD4-CAP1 INTERGENIC REGION//7.2e-27:140:40//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P33201  
 F-NT2RP2002880//DNA REPAIR PROTEIN RAD32//0.83:67:28//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09683  
 55 F-NT2RP2002891//HOMEBOX PROTEIN DLX-2 (DLX-5) (FRAGMENT)//0.99:70:24//RATTUS NORVEGICUS (RAT)//Q64204  
 F-NT2RP2002925//ALPHA-1D ADRENERGIC RECEPTOR (ALPHA 1D-ADRENOCEPTOR) (ALPHA-1A

ADRENERGIC RECEPTOR)//0.31:48:43//HOMO SAPIENS (HUMAN)//P25100  
 F-NT2RP2002928//CELL DIVISION CONTROL PROTEIN 40//2.8e-26:142:42//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40968  
 F-NT2RP2002929//HYPOTHETICAL 46.2 KD TRP-ASP REPEATS CONTAINING PROTEIN D2013.2 IN CHROMOSOME II//2.0e-31:186:35//CAENORHABDITIS ELEGANS//Q18964  
 5 F-NT2RP2002939//ADENYLATE CYCLASE, TYPE V (EC 4.6.1.1) (ATP PYROPHOSPHATE-LYASE) (CA(2+)-INHIBITABLE ADENYLYL CYCLASE)//0.0022:98:39//CANIS FAMILIARIS (DOG)//P30803  
 F-NT2RP2002954//U2 SMALL NUCLEAR RIBONUCLEOPROTEIN A' (U2 SNRNP-A')//0.0019:107:30//ARABIDOPSIS THALIANA (MOUSE-EAR CRESS)//P43333  
 10 F-NT2RP2002959//UBIQUITIN-CONJUGATING ENZYME E2-17 KD 2 (EC 6.3.2.19) (UBIQUITIN- PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) (E2(17)KB 2)//2.8e-11:33:81//HOMO SAPIENS (HUMAN), MUS MUSCULUS (MOUSE), RATTUS NORVEGICUS (RAT), AND XENOPUS LAEVIS (AFRICAN CLAWED FROG)//P51669  
 F-NT2RP2002979  
 15 F-NT2RP2002980//30S RIBOSOMAL PROTEIN S10//1.1e-09:98:36//MYCOPLASMA CAPRICOLUM//P10129  
 F-NT2RP2002986//RING CANAL PROTEIN (KELCH PROTEIN)//1.1e-19:141:39//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q04652  
 F-NT2RP2002987//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/1.3e-07:78:47//HOMO SAPIENS (HUMAN)//P39192  
 20 F-NT2RP2002993//DNA-DIRECTED RNA POLYMERASE I 135 KD POLYPEPTIDE (EC 2.7.7.6) (RNA POLYMERASE I SUBUNIT 2) (RPA135) (RNA POLYMERASE I 127 KD SUBUNIT)//8.0e-77:165:85//RATTUS NORVEGICUS (RAT)//O54888  
 F-NT2RP2003000//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/2.8e-19:62:64//HOMO SAPIENS (HUMAN)//P39194  
 25 F-NT2RP2003034//HYPOTHETICAL PROTEIN HI1458//1.0:42:35//HAEMOPHILUS INFLUENZAE//P44204  
 F-NT2RP2003073//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/0.0051:16:87//HOMO SAPIENS (HUMAN)//P39189  
 F-NT2RP2003099  
 F-NT2RP2003108//BASIC PROLINE-RICH PEPTIDE IB-1//0.84:47:34//HOMO SAPIENS (HUMAN)//P04281  
 30 F-NT2RP2003117  
 F-NT2RP2003121//HYPOTHETICAL 96.7 KD PROTEIN IN STE2-FRS2 INTERGENIC REGION//9.0e-08:99:29//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P43572  
 F-NT2RP2003125//TRANSCRIPTION REGULATOR PROTEIN BACH2 (BTB AND CNC HOMOLOG 2)//9.2e-08:134:28//MUS MUSCULUS (MOUSE)//P97303  
 35 F-NT2RP2003129  
 F-NT2RP2003137//UBIQUITIN//3.4e-06:70:30//NEUROSPORA CRASSA//P13117  
 F-NT2RP2003157//HYPOTHETICAL 37.0 KD PROTEIN B0495.8 IN CHROMOSOME II//7.8e-13:84:40//CAENORHABDITIS ELEGANS//Q09217  
 F-NT2RP2003158//26S PROTEASOME REGULATORY SUBUNIT S3 (PROTEASOME SUBUNIT P58)//3.1e-65:155:84//HOMO SAPIENS (HUMAN)//O43242  
 40 F-NT2RP2003161//PROLINE-RICH PROTEIN MP-2 PRECURSOR//0.0011:59:42//MUS MUSCULUS (MOUSE)//P05142  
 F-NT2RP2003164//ZYXIN//0.0037:85:36//MUS MUSCULUS (MOUSE)//Q62523  
 F-NT2RP2003165//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/1.2e-24:77:64//HOMO SAPIENS (HUMAN)//P39194  
 45 F-NT2RP2003177//MALE SPECIFIC SPERM PROTEIN MST84DB//0.55:38:39//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q01643  
 F-NT2RP2003194//HYPOTHETICAL 12.5 KD PROTEIN ZK637.2 IN CHROMOSOME III//2.3e-14:87:37//CAENORHABDITIS ELEGANS//P30629  
 50 F-NT2RP2003206//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 3 (EC 1.6.5.3)//1.0:100:28//DIDELPHIS MARSUPIALIS VIRGINIANA (NORTH AMERICAN OPOSSUM)//P41306  
 F-NT2RP2003228//DNA REPLICATION LICENSING FACTOR MCM4 (CDC21 HOMOLOG) (P1-CDC21)//9.3e-82:211:81//HOMO SAPIENS (HUMAN)//P33991  
 F-NT2RP2003230//SEC14 CYTOSOLIC FACTOR (PHOSPHATIDYLINOSITOL/PHOSPHATIDYLCHOLINE TRANSFER PROTEIN) (PI/PC TP)//1.0:51:31//CANDIDA GLABRATA (YEAST) (TORULOPSIS GLABRATA)//P53989  
 55 F-NT2RP2003237//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/5.1e-44:66:84//HOMO SAPIENS (HUMAN)//P39194

F-NT2RP2003243//M PROTEIN, SEROTYPE 5 PRECURSOR.//0.027:204:23//STREPTOCOCCUS PYO-  
 GENES.//P02977  
 F-NT2RP2003265//BP4A PROTEIN.//0.95:35:34//BRASSICA NAPUS (RAPE)//P41505  
 F-NT2RP2003272//ANTER-SPECIFIC PROLINE-RICH PROTEIN APG (PROTEIN CEX) (FRAGMENT)//5.5e-  
 06:78:35//BRASSICA NAPUS (RAPE)//P40603  
 5 F-NT2RP2003277//NAM7 PROTEIN (NONSENSE-MEDIATED MRNA DECAY PROTEIN 1) (UP-FRAMESHIFT  
 SUPPRESSOR 1)//1.9e-19:145:43//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P30771  
 F-NT2RP2003280  
 F-NT2RP2003286//RNA 3'-TERMINAL PHOSPHATE CYCLASE (EC 6.5.1.4) (RNA-3'-PHOSPHATE CYCLASE)  
 10 (RNA CYCLASE)//2.1e-32:137:42//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//Q08096  
 F-NT2RP2003293//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1)//7.7e-12:175:33//HOMO SA-  
 PIENS (HUMAN)//P51522  
 F-NT2RP2003295//PTB-ASSOCIATED SPLICING FACTOR (PSF)//0.055:44:45//HOMO SAPIENS (HUMAN)//  
 P23246  
 15 F-NT2RP2003297  
 F-NT2RP2003307//KINESIN LIGHT CHAIN (KLC)//2.0e-18:87:49//RATTUS NORVEGICUS (RAT)//P37285  
 F-NT2RP2003308//CROOKED NECK PROTEIN//2.1e-91:244:67//DROSOPHILA MELANOGASTER (FRUIT  
 FLY)//P17886  
 F-NT2RP2003329//HYPOTHETICAL 54.9 KD PROTEIN C02F5.7 IN CHROMOSOME III//5.8e-57:186:55//  
 20 CAENORHABDITIS ELEGANS//P34284  
 F-NT2RP2003339//SHORT NEUROTOXIN 1 (NEUROTOXIN ALPHA)//0.98:11:72//DENDROASPIS POLYLEPIS  
 POLYLEPIS (BLACK MAMBA)//P01416  
 F-NT2RP2003347//60S RIBOSOMAL PROTEIN L38//0.83:42:33//OSTERTAGIA OSTERTAGI//O61570  
 F-NT2RP2003367//SYNERGISTIC-TYPE VENOM PROTEIN C9S3, CHAIN 1//1.0:37:35//DENDROASPIS AN-  
 25 GUSTICEPS (EASTERN GREEN MAMBA)//P01408  
 F-NT2RP2003391//MRNA TRANSPORT REGULATOR MTR10//3.3e-11:229:24//SACCHAROMYCES CEREVI-  
 SIAE (BAKER'S YEAST)//Q99189  
 F-NT2RP2003393//PROTOCHLOROPHYLLIDE REDUCTASE CHLB SUBUNIT (EC 1.3.1.33) (NADPH- PROTO-  
 CHLOROPHYLLIDE OXIDOREDUCTASE CHLB SUBUNIT) (FRAGMENT)//0.94:29:34//ARAUCCARIA HETERO-  
 30 PHYLLA//P37843  
 F-NT2RP2003394  
 F-NT2RP2003401//60 KD CHAPERONIN (PROTEIN CPN60) (GROEL PROTEIN)//0.95:125:28//THERMUS  
 AQUATICUS (SUBSP. THERMOPHILUS)//P45746  
 F-NT2RP2003433//PROTEIN TRANSPORT PROTEIN SEC61 ALPHA SUBUNIT//9.8e-78:178:84//RATTUS  
 35 NORVEGICUS (RAT)//P38378  
 F-NT2RP2003445  
 F-NT2RP2003446//HYPOTHETICAL PROTEIN E-115//0.00030:106:33//HUMAN ADENOVIRUS TYPE 2//  
 P03290  
 F-NT2RP2003456//PHOTOSYSTEM II REACTION CENTRE M PROTEIN//1.0:27:51//MARCHANTIA POLY-  
 40 MORPHA (LIVERWORT)//P12168  
 F-NT2RP2003466//LINOLEOYL-COA DESATURASE (EC 1.14.99.25) (DELTA(6)-DESATURASE)//6.7e-06:108:  
 32//SYNECHOCYSTIS SP. (STRAIN PCC 6803)//Q08871  
 F-NT2RP2003480//TRANSCRIPTION FACTOR BF-2 (BRAIN FACTOR 2) (BF2) (CBF-2) (T-14-6)//7.2e-15:38:  
 50 50//GALLUS GALLUS (CHICKEN)//Q98937  
 45 F-NT2RP2003499//5E5 ANTIGEN//0.090:114:32//RATTUS NORVEGICUS (RAT)//Q63003  
 F-NT2RP2003506//NADPH-CYTOCHROME P450 REDUCTASE (EC 1.6.2.4) (CPR)//2.0e-11:91:43//SUS  
 SCROFA (PIG)//P04175  
 F-NT2RP2003511//PARAMYOSIN, SHORT FORM (MIMIPARAMYOSIN)//0.0020:108:25//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY)//P35416  
 50 F-NT2RP2003513//PTB-ASSOCIATED SPLICING FACTOR (PSF)//1.2e-05:96:36//HOMO SAPIENS (HU-  
 MAN)//P23246  
 F-NT2RP2003517//HYPOTHETICAL 12.9 KD PROTEIN CY49.27//0.0059:22:31//MYCOBACTERIUM TUBER-  
 CULOSIS//Q10696  
 F-NT2RP2003522//HYPOTHETICAL 10.0 KD PROTEIN//1.0:65:30//THERMOPROTEUS TENAX VIRUS 1  
 55 (STRAIN KRA1) (TTV1)//P19283  
 F-NT2RP2003533//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//8.7e-18:94:54//HOMO SAPIENS (HU-  
 MAN)//P08547  
 F-NT2RP2003543//SYNAPSINS IA AND IB//0.045:101:35//RATTUS NORVEGICUS (RAT)//P09951



- F-NT2RP2003559//ITBA2 PROTEIN (DXS9879E)//0.98:37:37//HOMO SAPIENS (HUMAN)//Q14657  
 F-NT2RP2003564//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A)) (RO(SS-A))//6.4e-35:175:44//HOMO SAPIENS (HUMAN)//P19474  
 F-NT2RP2003567//HYPOTHETICAL 11.2 KD PROTEIN T18D3.7 IN CHROMOSOME X//0.72:82:34//  
 5 CAENORHABDITIS ELEGANS//Q22544  
 F-NT2RP2003581//HOMEBOX PROTEIN OTX1//0.90:61:37//MUS MUSCULUS (MOUSE)//P80205  
 F-NT2RP2003596//ELONGATION FACTOR P (EF-P)//0.83:61:32//MYCOPLASMA GENITALIUM//P47272  
 F-NT2RP2003604//ALPHA-CATENIN//1.5e-11:152:33//DROSOPHILA MELANOGASTER (FRUIT FLY)//  
 P35220  
 10 F-NT2RP2003629//PHOSPHOLIPASE A2 ALPHA (EC 3.1.1.4) (PHOSPHATIDYLCHOLINE 2-ACYLHYDROLASE)  
 //0.97:85:27//CROTALUS ADAMANTEUS (EASTERN DIAMONDBACK RATTLESNAKE)//P00623  
 F-NT2RP2003643//ACYLNEURAMINATE CYTIDYLYLTRANSFERASE (EC 2.7.7.43) (CMP-N- ACETYL-  
 NEURAMINIC ACID SYNTHETASE) (CMP-NEUNAC SYNTHETASE) (CMP-SIALIC ACID SYNTHETASE)//3.9e-  
 12:84:40//NEISSERIA MENINGITIDIS//Q57385  
 15 F-NT2RP2003668//!!!! ALU-SUBFAMILY SX WARNING ENTRY !!!!!/5.0e-33:74:81//HOMO SAPIENS (HUMAN)//  
 P39195  
 F-NT2RP2003687//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/5.7e-05:40:67//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-NT2RP2003691//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/2.5e-37:56:67//HOMO SAPIENS (HUMAN)//  
 20 P39194  
 F-NT2RP2003702//HYPOTHETICAL OXIDOREDUCTASE IN INLA 5'REGION (EC 1.-.-) (ORFA)//1.3e-07:98:  
 37//LISTERIA MONOCYTOGENES//P25145  
 F-NT2RP2003704//GAMMA-GLUTAMYLTRANSFERASE 5 PRECURSOR (EC 2.3.2.2) (GAMMA-  
 GLUTAMYLTRANSFERASE 5) (GGT-REL)//0.66:23:52//HOMO SAPIENS (HUMAN)//P36269  
 25 F-NT2RP2003706//GLUTAMYL AMINOPEPTIDASE (EC 3.4.11.7) (EAP) (AMINOPEPTIDASE A) (APA) (DIFFER-  
 ENTATION ANTIGEN GP160)//1.2e-22:187:35//HOMO SAPIENS (HUMAN)//Q07075  
 F-NT2RP2003713//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 6 (EC 3.1.2.15) (UBIQUITIN THIOLESTE-  
 RASE 6) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 6) (DEUBIQUITINATING ENZYME 6) (PROTO-ON-  
 COGENE TRE-2)//2.7e-06:119:34//HOMO SAPIENS (HUMAN)//P35125  
 30 F-NT2RP2003714//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7)//6.7e-27:68:75//HO-  
 MO SAPIENS (HUMAN)//Q05481  
 F-NT2RP2003727//HYPOTHETICAL PROTEIN MG007 HOMOLOG//0.64:110:30//MYCOPLASMA PNEUMONI-  
 AE//P75105  
 F-NT2RP2003737//UBIQUITIN-CONJUGATING ENZYME E2-17 KD 2 (EC 6.3.2.19) (UBIQUITIN- PROTEIN  
 35 LIGASE) (UBIQUITIN CARRIER PROTEIN) (E2(17)KB 2)//1.2e-72:147:90//HOMO SAPIENS (HUMAN), MUS  
 MUSCULUS (MOUSE), RATTUS NORVEGICUS (RAT), AND XENOPUS LAEVIS (AFRICAN CLAWED FROG)//  
 P51669  
 F-NT2RP2003751//EXTRACELLULAR GLOBIN PRECURSOR//0.67:68:30//PSEUDOTERRANOVA DECIPI-  
 ENS (COD WORM)//P26914  
 40 F-NT2RP2003760//COATOMER GAMMA SUBUNIT (GAMMA-COAT PROTEIN) (GAMMA-COP)//1.0e-98:235:  
 82//BOS TAURUS (BOVINE)//P53620  
 F-NT2RP2003764//HYPOTHETICAL 29.3 KD PROTEIN (ORF92)//0.011:69:34//ORGYIA PSEUDOTSUGATA  
 MULTICAPSID POLYHEDROSIS VIRUS (OPMNPV)//O10341  
 F-NT2RP2003769//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//1.0:33:36//EQUUS CABALLUS  
 45 (HORSE)//P48663  
 F-NT2RP2003770//PHOSPHATE REGULON SENSOR PROTEIN PHOR (EC 2.7.3.-) (FRAGMENT)//0.029:35:  
 42//PSEUDOMONAS AERUGINOSA//P23621  
 F-NT2RP2003777//HYPOTHETICAL 82 KD AVIRULENCE PROTEIN IN AVRBS3 REGION//0.041:67:34//XAN-  
 THOMONAS CAMPESTRIS (PV. VESICATORIA)//P14728  
 50 F-NT2RP2003781//HYPOTHETICAL 36.7 KD PROTEIN AH6.2 IN CHROMOSOME II//4.7e-54:204:47//  
 CAENORHABDITIS ELEGANS//Q09201  
 F-NT2RP2003793//PSEUDO-HEVEIN (MINOR HEVEIN)//0.61:30:36//HEVEA BRASILIENSIS (PARA RUBBER  
 TREE)//P80359  
 F-NT2RP2003825//ENDOTHELIN-1 PRECURSOR (ET-1) (FRAGMENT)//1.0:35:37//CANIS FAMILIARIS  
 55 (DOG)//P13206  
 F-NT2RP2003840//HYPOTHETICAL 48.1 KD PROTEIN B0403.2 IN CHROMOSOME X//2.5e-05:80:38//  
 CAENORHABDITIS ELEGANS//Q11076  
 F-NT2RP2003857//BACTERIOCIN MICROCIN B17 PRECURSOR (MCB17)//0.54:28:50//ESCHERICHIA CO-

LI//P05834  
 F-NT2RP2003859//DROSOCIN PRECURSOR//1.0:37:35//DROSOPHILA MELANOGASTER (FRUIT FLY)//  
 P36193  
 F-NT2RP2003871  
 5 F-NT2RP2003885//CUTICLE PROTEIN 32 (LM-32) (LM-ACP 32) (FRAGMENT)//1.0:28:50//LOCUSTA MIGRA-  
 TORIA (MIGRATORY LOCUST)//P11736  
 F-NT2RP2003912//SERINE/THREONINE-PROTEIN KINASE NEK1 (EC 2.7.1.-) (NIMA-RELATED PROTEIN KI-  
 NASE 1)//4.8e-110:268:80//MUS MUSCULUS (MOUSE)//P51954  
 10 F-NT2RP2003952//AMINOPEPTIDASE B (EC 3.4.11.6) (ARGINYL AMINOPEPTIDASE) (ARGININE AMI-  
 NOPEPTIDASE) (CYTOSOL AMINOPEPTIDASE IV) (AP-B)//0.00024:92:31//RATTUS NORVEGICUS (RAT)//  
 O09175  
 F-NT2RP2003968//SKIN SECRETORY PROTEIN XP2 PRECURSOR (APEG PROTEIN)//9.2e-05:101:36//  
 XENOPUS LAEVIS (AFRICAN CLAWED FROG)//P17437  
 F-NT2RP2003976//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/1.7e-21:62:62//HOMO SAPIENS (HUMAN)//  
 15 P39188  
 F-NT2RP2003981//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS8//2.7e-08:165:22//SAC-  
 CHAROMYCES CEREVISIAE (BAKER'S YEAST)//P39702  
 F-NT2RP2003984//UNC-87 PROTEIN//0.75:71:28//CAENORHABDITIS ELEGANS//P37806  
 20 F-NT2RP2003986//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/5.3e-19:47:70//HOMO SAPIENS (HUMAN)//  
 P39193  
 F-NT2RP2003988//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/2.2e-18:80:58//HOMO SAPIENS (HUMAN)//  
 P39195  
 F-NT2RP2004013//TRANSCRIPTION FACTOR BTF3 (RNA POLYMERASE B TRANSCRIPTION FACTOR 3)//  
 1.0e-52:141:77//HOMO SAPIENS (HUMAN)//P20290  
 25 F-NT2RP2004014//MACROPHAGE INFLAMMATORY PROTEIN-2-ALPHA (MIP2-ALPHA) (CINC-2-ALPHA)//  
 0.99:45:26//RATTUS NORVEGICUS (RAT)//Q10746  
 F-NT2RP2004041//SYNAPSINS IA AND IB//0.0022:51:37//BOS TAURUS (BOVINE)//P17599  
 F-NT2RP2004042//CRUSTACEAN HYPERGLYCEMIC HORMONE PRECURSOR (CHH) (FRAGMENT)//1.0:49:  
 28//PENAEUS VANNAMEI (PENOEID SHRIMP) (EUROPEAN WHITE SHRIMP)//Q26181  
 30 F-NT2RP2004066//CALDESMON (CDM)//2.9e-05:175:21//GALLUS GALLUS (CHICKEN)//P12957  
 F-NT2RP2004081//CADMIUM-METALLOTHIONEIN (CD-MT)//0.93:59:23//HELIX POMATIA (ROMAN SNAIL)  
 (EDIBLE SNAIL)//P33187  
 F-NT2RP2004098//RAS SUPPRESSOR PROTEIN 1 (RSU-1) (RSP-1 PROTEIN) (RSP-1)//4.6e-09:121:30//HO-  
 MO SAPIENS (HUMAN)//Q15404  
 35 F-NT2RP2004124//NONHISTONE CHROMOSOMAL PROTEIN HMG-17//0.068:63:31//GALLUS GALLUS  
 (CHICKEN)//P02314  
 F-NT2RP2004142//HYPOTHETICAL 59.1 KD PROTEIN IN VPS15-YMC2 INTERGENIC REGION//7.9e-05:94:  
 28//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38262  
 F-NT2RP2004152//LAMIN L(I)//0.25:167:19//XENOPUS LAEVIS (AFRICAN CLAWED FROG)//P09010  
 40 F-NT2RP2004165//HYPOTHETICAL 57.5 KD PROTEIN IN VMA7-RPS25A INTERGENIC REGION//0.0014:124:  
 31//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53214  
 F-NT2RP2004170//PROLINE-RICH PROTEIN MP-3 (FRAGMENT)//0.012:125:30//MUS MUSCULUS  
 (MOUSE)//P05143  
 F-NT2RP2004172//HYPOTHETICAL 105.7 KD PROTEIN IN TPK3-PIR1 INTERGENIC REGION//4.1e-26:214:  
 45 35//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P36051  
 F-NT2RP2004187//ZINC FINGER PROTEIN 174//3.7e-12:76:47//HOMO SAPIENS (HUMAN)//Q15697  
 F-NT2RP2004194//HYPOTHETICAL 10.5 KD PROTEIN C31A2.13C IN CHROMOSOME I//0.0013:92:23//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09730  
 50 F-NT2RP2004196//METALLOTHIONEIN 10-II (MT-10-II)//0.92:36:36//MYTILUS EDULIS (BLUE MUSSEL)//  
 P80247  
 F-NT2RP2004207//MALE ACCESSORY GLAND SECRETORY PROTEIN 355A PRECURSOR//0.92:62:35//  
 DROSOPHILA SIMULANS (FRUIT FLY)//P33737  
 F-NT2RP2004226//66 KD STRESS PROTEIN (P66)//0.030:113:26//PHYSARUM POLYCEPHALUM (SLIME  
 MOLD)//P90587  
 55 F-NT2RP2004232//PROTEIN KINASE C, MU TYPE (EC 2.7.1.-) (NPKC-MU)//2.0e-48:211:51//HOMO SAPIENS  
 (HUMAN)//Q15139  
 F-NT2RP2004239//GLUTENIN, HIGH MOLECULAR WEIGHT SUBUNIT PW212 PRECURSOR//0.00038:111:  
 36//TRITICUM AESTIVUM (WHEAT)//P08489

F-NT2RP2004240//METALLOTHIONEIN-II (MT-II) (METALLOTHIONEIN-LIKE PROTEIN) (MT-CE)//1.0:39:28//  
 CAENORHABDITIS ELEGANS//P17512  
 F-NT2RP2004242//RAS-RELATED PROTEIN RGP1 (GTP-BINDING REGULATORY PROTEIN RGP1)//0.0036:  
 64:28//ORYZA SATIVA (RICE)//P25766  
 5 F-NT2RP2004245//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//1.0:21:42//PONGO PYGMAEUS PYG-  
 MAEUS (BORNEAN ORANGUTAN)//P92896  
 F-NT2RP2004270//SPIDROIN 2 (DRAGLINE SILK FIBROIN 2) (FRAGMENT)//0.00023:118:33//NEPHILA CLA-  
 VIPES (ORB SPIDER)//P46804  
 F-NT2RP2004300//PROBABLE E4 PROTEIN//0.18:77:40//HUMAN PAPILLOMAVIRUS TYPE 8//P06425  
 10 F-NT2RP2004316  
 F-NT2RP2004321//HYPOTHETICAL 10.8 KD PROTEIN SSR2439//1.0:50:28//SYNECHOCYSTIS SP. (STRAIN  
 PCC 6803)//Q01904  
 F-NT2RP2004339//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/5.0e-33:84:77//HOMO SAPIENS (HUMAN)//  
 P39195  
 15 F-NT2RP2004347//HYPOTHETICAL 40.9 KD PROTEIN F33H1.3 FROM CHROMOSOME II//0.78:96:30//  
 CAENORHABDITIS ELEGANS//Q09556  
 F-NT2RP2004364//MINOR OUTER CAPSID PROTEIN (NS26) (NONSTRUCTURAL PROTEIN VP9)//0.059:143:  
 30//BOVINE ROTAVIRUS (STRAIN UK)//P04515  
 F-NT2RP2004365//EAMZP30-47 PROTEIN (FRAGMENT)//0.27:38:39//EIMERIA ACERVULINA//P21959  
 20 F-NT2RP2004366//GLYCOPROTEIN L PRECURSOR//0.64:71:28//MAREK'S DISEASE HERPESVIRUS  
 (STRAIN GA) (MDHV)//P52510  
 F-NT2RP2004373//HISTIDINE-RICH GLYCOPROTEIN PRECURSOR (HISTIDINE-PROLINE RICH GLYCO-  
 PROTEIN) (HPRG) (FRAGMENT)//0.59:50:40//ORYCTOLAGUS CUNICULUS (RABBIT)//Q28640  
 F-NT2RP2004389//HYPOTHETICAL 70.7 KD PROTEIN F09G8.3 IN CHROMOSOME III//4.0e-16:89:43//  
 25 CAENORHABDITIS ELEGANS//P34388  
 F-NT2RP2004392  
 F-NT2RP2004396//SINGLE-STRANDED NUCLEIC ACID-BINDING PROTEIN//0.42:89:29//SACCHAROMY-  
 CES CEREVISIAE (BAKER'S YEAST)//P10080  
 F-NT2RP2004399//SOMATOTROPIN PRECURSOR (GROWTH HORMONE)//1.0:72:34//MESOCRICETUS AU-  
 30 RATUS (GOLDEN HAMSTER)//P37886  
 F-NT2RP2004400  
 F-NT2RP2004412//SPERM PROTAMINE P1//0.24:38:31//NOTORYCTES TYPHLOPS (MARSUPIAL MOLE)//  
 P42143  
 F-NT2RP2004425//SUPPRESSOR PROTEIN SRP40//0.0087:197:22//SACCHAROMYCES CEREVISIAE (BAK-  
 35 ER'S YEAST)//P32583  
 F-NT2RP2004463//ALPHA-2A ADRENERGIC RECEPTOR (ALPHA-2A ADRENOCEPTOR) (ALPHA-2AAR)//  
 1.3e-05:121:37//MUS MUSCULUS (MOUSE)//Q01338  
 F-NT2RP2004476//NICKEL-SENSITIVE T-TYPE CALCIUM CHANNEL ALPHA-1 SUBUNIT (RBE-II)//0.20:68:  
 36//RATTUS NORVEGICUS (RAT)//Q07652  
 40 F-NT2RP2004490//FOS-RELATED ANTIGEN 1//0.94:59:33//HOMO SAPIENS (HUMAN)//P15407  
 F-NT2RP2004512//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 4 (EC 1.6.5.3) (FRAGMENTS)//1.0:37:  
 32//PISASTER OCHRACEUS (SEA STAR)//P24998  
 F-NT2RP2004523//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/2.1e-15:57:71//HOMO SAPIENS (HUMAN)//  
 P39194  
 45 F-NT2RP2004538//KINESIN-LIKE PROTEIN KIF1A (AXONAL TRANSPORTER OF SYNAPTIC VESICLES)//  
 1.2e-48:121:60//HOMO SAPIENS (HUMAN)//Q12756  
 F-NT2RP2004551//HYPOTHETICAL 7.6 KD PROTEIN (ORF 65)//1.0:20:50//EUGLENA GRACILIS//P32095  
 F-NT2RP2004568//PUTATIVE ATP-DEPENDENT RNA HELICASE C30D11.03//5.2e-07:150:30//SCHIZOSAC-  
 CHAROMYCES POMBE (FISSION YEAST)//Q09903  
 50 F-NT2RP2004580//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/3.7e-37:100:78//HOMO SAPIENS (HU-  
 MAN)//P39192  
 F-NT2RP2004587//HYPOTHETICAL 57.5 KD PROTEIN IN VMA7-RPS25A INTERGENIC REGION//8.2e-06:  
 150:32//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53214  
 F-NT2RP2004594//HYPOTHETICAL 45.3 KD PROTEIN C09F5.7 IN CHROMOSOME II//0.84:105:24//  
 55 CAENORHABDITIS ELEGANS//Q09458  
 F-NT2RP2004600//MYRISTOYLATED ALANINE-RICH C-KINASE SUBSTRATE (MARCKS)//0.17:127:29//RAT-  
 TUS NORVEGICUS (RAT)//P30009  
 F-NT2RP2004602//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/1.1e-05:50:58//HOMO SAPIENS (HUMAN)//

- P39188  
F-NT2RP2004614//HYPOTHETICAL 11.6 KD PROTEIN.//1.0:68:33//VACCINIA VIRUS (STRAIN COPENHAGEN)//P20561
- 5 F-NT2RP2004655//GLYCINE-RICH RNA-BINDING PROTEIN 7.//7.0e-05:70:42//ARABIDOPSIS THALIANA (MOUSE-EAR CRESS)//Q03250  
F-NT2RP2004664//HYPOTHETICAL 104.0 KD PROTEIN C32A11.03C IN CHROMOSOME I.//0.30:78:38//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST).//Q10328  
F-NT2RP2004675  
F-NT2RP2004681
- 10 F-NT2RP2004689//HYPOTHETICAL 78.3 KD PROTEIN IN RAM2-ATP7 INTERGENIC REGION.//0.021:179:24//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P34243  
F-NT2RP2004709//HYPOTHETICAL PROTEIN MJ0647.//0.90:39:43//METHANOCOCCUS JANNASCHII.//Q58063  
F-NT2RP2004710//GAR2 PROTEIN.//0.085:60:30//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST).//P41891
- 15 F-NT2RP2004736//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!//4.4e-15:97:49//HOMO SAPIENS (HUMAN).//P39188  
F-NT2RP2004743//MALE SPECIFIC SPERM PROTEIN MST87F.//0.43:24:41//DROSOPHILA MELANOGASTER (FRUIT FLY).//P08175
- 20 F-NT2RP2004767//36.4 KD PROLINE-RICH PROTEIN.//0.0051:88:27//LYCOPERSICON ESCULENTUM (TOMATO).//Q00451  
F-NT2RP2004768//SERINE/THREONINE-PROTEIN KINASE NRK1 (EC 2.7.1.-) (N-RICH KINASE 1).//9.0e-29:166:43//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P38692  
F-NT2RP2004775
- 25 F-NT2RP2004791//PROBABLE LEUCYL-TRNA SYNTHETASE (EC 6.1.1.4) (LEUCINE--TRNA LIGASE) (LEURS).//7.4e-60:226:53//CAENORHABDITIS ELEGANS.//Q09996  
F-NT2RP2004799//SUCCINYL-COA LIGASE [GDP-FORMING], BETA-CHAIN PRECURSOR (EC 6.2.1.4) (SUCCINYL-COA SYNTHETASE, BETA CHAIN) (SCS-BETA).//2.2e-42:133:57//NEOCALLIMASTIX FRONTALIS (RUMEN FUNGUS).//P53587
- 30 F-NT2RP2004802//HYPOTHETICAL 17.1 KD PROTEIN IN PUR5 3'REGION.//0.018:86:32//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P38898  
F-NT2RP2004816//H<BETA>58 PROTEIN.//1.0e-68:145:93//MUS MUSCULUS (MOUSE).//P40336  
F-NT2RP2004841//DSRD PROTEIN.//0.83:33:39//ARCHAEOGLOBUS FULGIDUS.//P70742  
F-NT2RP2004861//KERATIN, HIGH-SULFUR MATRIX PROTEIN, IIIA3A.//0.0072:41:39//OVIS ARIES (SHEEP).//P02443
- 35 F-NT2RP2004897//METALLOTHIONEIN-LIKE PROTEIN 1.//0.99:41:41//CASUARINA GLAUCA (SWAMP OAK).//Q39511  
F-NT2RP2004933//DEATH-ASSOCIATED PROTEIN KINASE 1 (EC 2.7.1.-) (DAP KINASE 1).//8.4e-34:102:67//HOMO SAPIENS (HUMAN).//P53355
- 40 F-NT2RP2004936//HIGH POTENTIAL IRON-SULFUR PROTEIN, ISOZYME 2 (HIPIP 2).//0.87:36:33//EC-TOTHIORHODOSPIRA VACUOLATA.//P38524  
F-NT2RP2004959//STEM CELL FACTOR PRECURSOR (SCF) (MAST CELL GROWTH FACTOR) (MGF) (C-KIT LIGAND).//1.0:69:28//CANIS FAMILIARIS (DOG).//Q06220  
F-NT2RP2004961//ZINC FINGER PROTEIN 33A (ZINC FINGER PROTEIN KOX31) (KIAA0065) (HA0946) (FRAGMENT).//2.1e-21:73:58//HOMO SAPIENS (HUMAN).//Q06730
- 45 F-NT2RP2004962//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!//0.17:28:57//HOMO SAPIENS (HUMAN).//P39189  
F-NT2RP2004967//HYPOTHETICAL 7.3 KD PROTEIN.//0.76:41:31//THERMOPROTEUS TENAX VIRUS 1 (STRAIN KRA1) (TTV1).//P19301
- 50 F-NT2RP2004978//SPERMATID-SPECIFIC PROTEIN T2 [CONTAINS: SPERM PROTAMINE SP2].//0.44:40:45//SEPIA OFFICINALIS (COMMON CUTTLEFISH).//P80002  
F-NT2RP2004982  
F-NT2RP2004985//HYPOTHETICAL PROTEIN KIAA0144.//1.2e-51:204:57//HOMO SAPIENS (HUMAN).//Q14157
- 55 F-NT2RP2004999//LONG NEUROTOXIN 1 (ALPHA-BUNGAROTOXIN) (BGTX).//0.23:73:26//BUNGARUS MULTICINCTUS (MANY-BANDED KRAIT).//P01378  
F-NT2RP2005000//ATPASE STABILIZING FACTOR 15 KD PROTEIN.//0.12:37:32//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P16965

F-NT2RP2005001//SMALL PROLINE RICH PROTEIN II (SPR-II) (CLONE 930).//0.90:54:31//HOMO SAPIENS (HUMAN).//P22531  
 F-NT2RP2005003//DOWN REGULATORY PROTEIN OF INTERLEUKIN 2 RECEPTOR.//1.6e-30:78:56//MUS MUSCULUS (MOUSE).//P15533  
 5 F-NT2RP2005012//NPL1 PROTEIN (SEC63 PROTEIN).//0.00024:94:35//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P14906  
 F-NT2RP2005018//GAG POLYPROTEIN (CORE POLYPROTEIN) [CONTAINS: CORE PROTEINS P19; P10] (FRAGMENT).//1.0:91:28//AVIAN ENDOGENOUS ROUS-ASSOCIATED VIRUS-0 (EV-2) (AVIAN RETROVIRUS RAV-0).//P06937  
 10 F-NT2RP2005020  
 F-NT2RP2005022//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1.//4.9e-11:106:35//PODOSPORA ANSERINA.//Q00808  
 F-NT2RP2005031  
 F-NT2RP2005037//ANTI-SILENCING PROTEIN 1.//2.2e-32:117:55//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P32447  
 15 F-NT2RP2005038//DNA NUCLEOTIDYLTRANSFERASE (EC 2.7.7.31) (TERMINAL ADDITION ENZYME) (TERMINAL DEOXYNUCLEOTIDYLTRANSFERASE) (TERMINAL TRANSFERASE).//9.3e-28:187:40//AMBYSTOMA MEXICANUM (AXOLOTL).//O57486  
 F-NT2RP2005108//CUTICLE COLLAGEN 2.//0.33:62:38//CAENORHABDITIS ELEGANS.//P17656  
 20 F-NT2RP2005116//PUTATIVE EUKARYOTIC TRANSLATION INITIATION FACTOR 3 ALPHA SUBUNIT (EIF-3 ALPHA).//4.0e-54:161:63//CAENORHABDITIS ELEGANS.//P34466  
 F-NT2RP2005126//CHLOROPLAST 50S RIBOSOMAL PROTEIN L27 (FRAGMENT).//0.23:46:39//PLEUROCHYSIS HAPTONEMOFERA.//P41552  
 F-NT2RP2005139//COLLAGEN ALPHA 1(XII) CHAIN (FRAGMENTS).//0.016:43:37//BOS TAURUS (BOVINE).//P25508  
 25 F-NT2RP2005140//HYPOTHETICAL 7.4 KD PROTEIN YCF33.//0.96:51:39//GUILLARDIA THETA (CRYPTOMONAS PHI).//O78517  
 F-NT2RP2005144//TUBBY PROTEIN.//5.6e-08:66:45//MUS MUSCULUS (MOUSE).//P50586  
 F-NT2RP2005147  
 30 F-NT2RP2005159//PHOTOSYSTEM II 4 KD REACTION CENTRE PROTEIN PRECURSOR.//0.94:57:29//NICOTIANA TABACUM (COMMON TOBACCO), AND SPINACIA OLERACEA (SPINACH).//P12164  
 F-NT2RP2005162//HYPOTHETICAL 54.2 KD PROTEIN IN ERP5-ORC6 INTERGENIC REGION.//1.2e-33:139:51//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P38821  
 F-NT2RP2005168//HETEROGENOUS NUCLEAR RIBONUCLEOPROTEIN U (HNRNP U).//2.8e-33:102:61//HOMO SAPIENS (HUMAN).//Q00839  
 35 F-NT2RP2005204//DNA DAMAGE TOLERANCE PROTEIN RHC31 (RAD31 HOMOLOG).//3.9e-28:141:42//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//Q06624  
 F-NT2RP2005227  
 F-NT2RP2005239//TRNA SPLICING PROTEIN SPL1.//2.0e-38:117:64//CANDIDA ALBICANS (YEAST).//P87185  
 40 F-NT2RP2005254//OMEGA-AGATOXIN IB (OMEGA-AGA-IB) (FRAGMENT).//0.26:29:48//AGELENOPSIS APERTA (FUNNEL-WEB SPIDER).//P15970  
 F-NT2RP2005270//HOMEBOX PROTEIN HOX-A4 (CHOX-1.4).//0.037:82:34//GALLUS GALLUS (CHICKEN).//P17277  
 F-NT2RP2005276//LONG-CHAIN-FATTY-ACID--COA LIGASE 4 (EC 6.2.1.3) (LONG-CHAIN ACYL-COA SYNTHETASE 4) (LACS 4).//2.0e-59:174:61//RATTUS NORVEGICUS (RAT).//O35547  
 45 F-NT2RP2005287//ZINC FINGER PROTEIN 26 (ZINC FINGER PROTEIN KOX20) (FRAGMENT).//1.5e-05:27:70//HOMO SAPIENS (HUMAN).//P17031  
 F-NT2RP2005288//PROBABLE RUBREDOXIN HUPI.//1.0:42:28//RHIZOBIUM LEGUMINOSARUM (BIOVAR VICIAE).//P28151  
 50 F-NT2RP2005289//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!//1.1e-21:75:70//HOMO SAPIENS (HUMAN).//P39193  
 F-NT2RP2005293//TRANSLATION INITIATION FACTOR IF-2.//0.58:170:24//HELICOBACTER PYLORI (CAMPYLOBACTER PYLORI).//P55972  
 F-NT2RP2005315//CUTICLE COLLAGEN 7 (FRAGMENT).//0.091:65:38//CAENORHABDITIS ELEGANS.//P18832  
 55 F-NT2RP2005325//CHROMOGRANIN A PRECURSOR (CGA) (PITUITARY SECRETORY PROTEIN I) (SP-I) [CONTAINS: PANCREASTATIN; WE-14].//9.5e-09:98:39//HOMO SAPIENS (HUMAN).//P10645  
 F-NT2RP2005336//HYPOTHETICAL 68.7 KD PROTEIN IN STB1-MCK1 INTERGENIC REGION.//0.00011:124:

28//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P42846  
 F-NT2RP2005344//PROBABLE CALCIUM-TRANSPORTING ATPASE 4 (EC 3.6.1.38)//4.7e-21:92:52//SAC-  
 CHAROMYCES CEREVISIAE (BAKER'S YEAST)//Q12675  
 F-NT2RP2005354  
 5 F-NT2RP2005358//MYOSIN IC HEAVY CHAIN//0.012:91:39//ACANTHAMOEBA CASTELLANII (AMOEBA)//  
 P10569  
 F-NT2RP2005360//ACROSIN PRECURSOR (EC 3.4.21.10)//0.0022:73:36//ORYZOLAGUS CUNICULUS  
 (RABBIT)//P48038  
 10 F-NT2RP2005393//HYPOTHETICAL 25.9 KD PROTEIN AH6.3 IN CHROMOSOME II//0.00085:135:28//  
 CAENORHABDITIS ELEGANS //Q09202  
 F-NT2RP2005407//SQUALENE MONOOXYGENASE (EC 1.14.99.7) (SQUALENE EPOXIDASE) (SE)//0.96:  
 109:26//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P32476  
 F-NT2RP2005436//EXTENSIN PRECURSOR (PROLINE-RICH GLYCOPROTEIN)//0.0011:54:42//ZEA MAYS  
 (MAIZE)//P14918  
 15 F-NT2RP2005441//PROLINE-RICH PROTEIN MP-2 PRECURSOR//0.039:182:29//MUS MUSCULUS  
 (MOUSE)//P05142  
 F-NT2RP2005453  
 F-NT2RP2005457//NADH-UBIQUINONE OXIDOREDUCTASE SUBUNIT B14.5B (EC 1.6.5.3) (EC 1.6.99.3)  
 (COMPLEX I-B14.5B) (CI-B14.5B)//4.0e-10:124:37//BOS TAURUS (BOVINE)//Q02827  
 20 F-NT2RP2005464//HYPOTHETICAL 9.5 KD PROTEIN//0.96:42:33//VACCINIA VIRUS (STRAIN COPENHA-  
 GEN)//P20553  
 F-NT2RP2005465//MITOCHONDRIAL CARRIER PROTEIN RIM2//4.6e-09:92:42//SACCHAROMYCES CERE-  
 VISIAE (BAKER'S YEAST)//P38127  
 F-NT2RP2005472//HYPOTHETICAL PROTEIN BB0129//0.76:80:32//BORRELIA BURGDORFERI (LYME DIS-  
 25 EASE SPIROCHETE)//O51155  
 F-NT2RP2005476//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/1.0e-31:39:89//HOMO SAPIENS (HUMAN)//  
 P39193  
 F-NT2RP2005490//METALLOTHIONEIN-II (MT-II)//0.14:27:33//SCYLLA SERRATA (MUD CRAB)//P02806  
 F-NT2RP2005491//DNA-DIRECTED RNA POLYMERASE SUBUNIT I (EC 2.7.7.6)//0.95:45:31//METHANO-  
 30 COCCUS JANNASCHII//Q58785  
 F-NT2RP2005495//HYPOTHETICAL 10.8 KD PROTEIN IN GP30-RIII INTERGENIC REGION//0.99:68:30//BAC-  
 TERIOPHAGE T4//Q02407  
 F-NT2RP2005496//ZINC FINGER PROTEIN 135//1.4e-54:120:59//HOMO SAPIENS (HUMAN)//P52742  
 F-NT2RP2005498//PROTEIN PHOSPHATASE PP2A, 55 KD REGULATORY SUBUNIT, ALPHA ISOFORM (PRO-  
 35 TEIN PHOSPHATASE PP2A B SUBUNIT ALPHA ISOFORM) (ALPHA-PR55)//9.5e-76:146:86//RATTUS NOR-  
 VEGICUS (RAT)//P36876  
 F-NT2RP2005501//GALECTIN-3 (GALACTOSE-SPECIFIC LECTIN 3) (MAC-2 ANTIGEN) (IGE-BINDING PRO-  
 TEIN) (35 KD LECTIN) (CARBOHYDRATE BINDING PROTEIN 35) (CBP 35) (LAMININ-BINDING PROTEIN)  
 (LECTIN L-29) (L-31) (GALACTOSIDE-BINDING PROTEIN) (GALBP)//0.025:70:40//HOMO SAPIENS (HU-  
 40 MAN)//P17931  
 F-NT2RP2005509//PROCOLLAGEN ALPHA 1(I) CHAIN PRECURSOR//1.0:166:27//GALLUS GALLUS (CHICK-  
 EN)//P02457  
 F-NT2RP2005520//CHROMOSOME ASSEMBLY PROTEIN XCAP-E//7.9e-45:118:79//XENOPUS LAEVIS (AF-  
 RICAN CLAWED FROG)//P50533  
 45 F-NT2RP2005525//50S RIBOSOMAL PROTEIN L11//1.0:47:27//BORRELIA BURGDORFERI (LYME DISEASE  
 SPIROCHETE)//O51354  
 F-NT2RP2005531//PROTEIN-TYROSINE PHOSPHATASE MEG1 (EC 3.1.3.48) (PTPASE-MEG1) (MEG)//9.8e-  
 13:84:45//HOMO SAPIENS (HUMAN)//P29074  
 F-NT2RP2005539//RING CANAL PROTEIN (KELCH PROTEIN)//4.9e-10:90:33//DROSOPHILA MELA-  
 50 NOGASTER (FRUIT FLY)//Q04652  
 F-NT2RP2005540//NUCLEOTIDE BINDING PROTEIN EXPZ//0.36:119:21//BACILLUS SUBTILIS//P39115  
 F-NT2RP2005549//HYPOTHETICAL 32.0 KD PROTEIN C16C10.10 IN CHROMOSOME III//6.0e-39:179:46//  
 CAENORHABDITIS ELEGANS//Q09253  
 F-NT2RP2005555  
 55 F-NT2RP2005557//HYPOTHETICAL 23.7 KD PROTEIN C13G6.14 IN CHROMOSOME I//4.9e-06:90:35//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09790  
 F-NT2RP2005581  
 F-NT2RP2005600//BASIC PROLINE-RICH PEPTIDE P-E (IB-9)//0.014:37:40//HOMO SAPIENS (HUMAN)//

P02811  
 F-NT2RP2005605//GONADOLIBERIN I PRECURSOR (LHRH I) (LUTEINIZING HORMONE RELEASING HORMONE I) (GONADOTROPIN RELEASING HORMONE I) (GNRH I) (LULIBERIN I) (FRAGMENT)//0.64:26:42//MACACA MULATTA (RHESUS MACAQUE)//P55247

5 F-NT2RP2005620//HYPOTHETICAL 45.1 KD PROTEIN IN RPS5-ZMS1 INTERGENIC REGION//8.7e-31:138:49//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P47160  
 F-NT2RP2005622//NEUROTOXIN-LIKE PROTEIN STR1 (ANATOXIN AAH STR1)//0.39:22:40//ANDROCTONUS AUSTRALIS HECTOR (SAHARA SCORPION)//P80950

10 F-NT2RP2005635//HYPOTHETICAL 80.7 KD PROTEIN IN ERG7-NMD2 INTERGENIC REGION//5.8e-43:144:56//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38795  
 F-NT2RP2005637//VPU PROTEIN (U ORF PROTEIN)//0.91:33:45//CHIMPANZEE IMMUNODEFICIENCY VIRUS (SIV(CPZ)) (CIV)//P17286  
 F-NT2RP2005640//METALLOTHIONEIN-LIKE PROTEIN LSC54//0.63:41:31//BRASSICA NAPUS (RAPE)//P43402

15 F-NT2RP2005645  
 F-NT2RP2005651//OCTAMER-BINDING TRANSCRIPTION FACTOR 3A (OCT-3A) (OCT-4)//0.0023:50:42//HOMO SAPIENS (HUMAN)//Q01860  
 F-NT2RP2005654//HYPOTHETICAL 48.6 KD PROTEIN IN BET1-PAN1 INTERGENIC REGION//6.1e-16:76:44//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40564

20 F-NT2RP2005669//METALLOTHIONEIN-II (MT-II)//0.76:16:50//SCYLLA SERRATA (MUD CRAB)//P02806  
 F-NT2RP2005675//PUTATIVE ORAL CANCER SUPPRESSOR (DELETED IN ORAL CANCER-1)//6.5e-26:116:54//MESOCRICETUS AURATUS (GOLDEN HAMSTER)//P49119  
 F-NT2RP2005683//HYPOTHETICAL PROTEIN HI0275//0.17:50:40//HAEMOPHILUS INFLUENZAE//P43975  
 F-NT2RP2005690//PYRROLINE-5-CARBOXYLATE REDUCTASE (EC 1.5.1.2) (P5CR) (P5C REDUCTASE)//1.3e-16:75:30//PISUM SATIVUM (GARDEN PEA)//Q04708

25 F-NT2RP2005694//HYPOTHETICAL PROTEIN KIAA0032//9.6e-11:135:34//HOMO SAPIENS (HUMAN)//Q15034  
 F-NT2RP2005701//SALIVARY PROLINE-RICH PROTEIN PO (ALLELE M) [CONTAINS: PEPTIDE P-D] (FRAGMENT)//0.084:158:32//HOMO SAPIENS (HUMAN)//P10161

30 F-NT2RP2005712//METALLOTHIONEIN-II (MT-II)//0.19:14:50//STENELLA COERULEOALBA (STRIPED DOLPHIN)//P14425  
 F-NT2RP2005719//COLLAGEN ALPHA 1(I) CHAIN (FRAGMENT)//1.0:36:41//ORYCTOLAGUS CUNICULUS (RABBIT)//P02456  
 F-NT2RP2005722//ZINC FINGER PROTEIN ZFP-36 (FRAGMENT)//7.8e-37:131:62//HOMO SAPIENS (HUMAN)//P16415

35 F-NT2RP2005723//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!//0.98:23:60//HOMO SAPIENS (HUMAN)//P39192  
 F-NT2RP2005726//HYPOTHETICAL PROTEIN TP0375//0.98:30:43//TREPONEMA PALLIDUM//O83390  
 F-NT2RP2005732//PERIOD CLOCK PROTEIN (FRAGMENT)//0.41:20:55//DROSOPHILA ROBUSTA (FRUIT FLY)//Q03296

40 F-NT2RP2005741//SMR1 PROTEIN PRECURSOR (VCS-ALPHA 1)//0.38:58:36//RATTUS NORVEGICUS (RAT)//P13432  
 F-NT2RP2005748//ZINC FINGER PROTEIN KOX23 (FRAGMENT)//0.026:19:68//HOMO SAPIENS (HUMAN)//P17034

45 F-NT2RP2005752//PROCOLLAGEN ALPHA 1(III) CHAIN PRECURSOR//0.90:101:31//HOMO SAPIENS (HUMAN)//P02461  
 F-NT2RP2005753//DNA-BINDING P52/P100 COMPLEX, 100 KD SUBUNIT (FRAGMENTS)//0.50:22:59//HOMO SAPIENS (HUMAN)//P30808  
 F-NT2RP2005763//PUTATIVE ATP-DEPENDENT RNA HELICASE STE13//4.7e-14:108:37//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09181

50 F-NT2RP2005767//NONHISTONE CHROMOSOMAL PROTEIN 6B//4.1e-08:65:32//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P11633  
 F-NT2RP2005773//PYRROLINE-5-CARBOXYLATE REDUCTASE (EC 1.5.1.2) (P5CR) (P5C REDUCTASE)//1.2e-14:65:61//HOMO SAPIENS (HUMAN)//P32322

55 F-NT2RP2005775//NEUROLYSIN PRECURSOR (EC 3.4.24.16) (NEUROTENSIN ENDOPEPTIDASE) (MITOCHONDRIAL OLIGOPEPTIDASE M) (MICROSOMAL ENDOPEPTIDASE) (MEP)//1.3e-103:199:90//ORYCTOLAGUS CUNICULUS (RABBIT)//P42675  
 F-NT2RP2005781//SALIVARY ACIDIC PROLINE-RICH PHOSPHOPROTEIN 1/2 PRECURSOR (PRP-1 / PRP-

3) (PRP-2 / PRP-4) (PIF-F / PIF-S) (PROTEIN A / PROTEIN C) [CONTAINS: PEPTIDE P-C]//0.090:73:36//HOMO SAPIENS (HUMAN)//P02810  
 F-NT2RP2005784//TRANS-ACTING TRANSCRIPTIONAL PROTEIN ICP0 (IMMEDIATE-EARLY PROTEIN IE110) (VMW110) (ALPHA-0 PROTEIN)//3.5e-06:79:37//HERPES SIMPLEX VIRUS (TYPE 1 / STRAIN 17)//P08393  
 5 F-NT2RP2005804//HYPOTHETICAL PROLINE-RICH PROTEIN (FRAGMENT)//1.8e-07:43:55//OWENIA FUSIFORMIS//P21260  
 F-NT2RP2005812//HYPOTHETICAL 39.3 KD PROTEIN IN GCN4-WBP1 INTERGENIC REGION//6.3e-14:143:31//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40004  
 10 F-NT2RP2005815//FERROCHELATASE (EC 4.99.1.1) (PROTOHEME FERRO-LYASE) (HEME SYNTHETASE)//0.0017:123:37//MYCOBACTERIUM AVIUM//O07401  
 F-NT2RP2005835//SHP1 PROTEIN//1.2e-08:135:26//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P34223  
 F-NT2RP2005841//SMALL PROLINE-RICH PROTEIN II (SPR-II) (CLONE 174N)//0.23:28:53//HOMO SAPIENS (HUMAN)//P22532  
 15 F-NT2RP2005853//HYPOTHETICAL 8.5 KD PROTEIN IN ASIA-MOTA INTERGENIC REGION//0.99:33:48//BACTERIOPHAGE T4//P22917  
 F-NT2RP2005857//CHROMOSOME ASSEMBLY PROTEIN XCAP-C//8.6e-84:235:66//XENOPUS LAEVIS (AFRICAN CLAWED FROG)//P50532  
 20 F-NT2RP2005859//MALE SPECIFIC SPERM PROTEIN MST84DB//0.017:60:40//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q01643  
 F-NT2RP2005868//ATP SYNTHASE B' CHAIN PRECURSOR (EC 3.6.1.34) (SUBUNIT II)//0.28:121:28//SPINACIA OLERACEA (SPINACH)//P31853  
 F-NT2RP2005886//MICRONUCLEAR LINKER HISTONE POLYPROTEIN (MIC LH) [CONTAINS: LINKER HISTONE PROTEINS ALPHA, BETA, DELTA AND GAMMA]//0.80:130:28//TETRAHYMENA THERMOPHILA//P40631  
 25 F-NT2RP2005890  
 F-NT2RP2005901//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//0.35:18:44//DROSOPHILA YAKUBA (FRUIT FLY)//P03933  
 30 F-NT2RP2005908//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!//1.0e-28:61:65//HOMO SAPIENS (HUMAN)//P39194  
 F-NT2RP2005933//PERIOD CLOCK PROTEIN (P230) (FRAGMENT)//1.7e-11:85:49//ACETABULARIA MEDITERRANEA (MERMAID'S WINE GLASS)//P12347  
 F-NT2RP2005942//POLY(A) POLYMERASE (EC 2.7.7.19) (PAP) (POLYNUCLEOTIDE ADENYLYLTRANSFERASE)//7.2e-59:216:58//BOS TAURUS (BOVINE)//P25500  
 35 F-NT2RP2005980//HYPOTHETICAL 11.5 KD PROTEIN IN RSP8A-AST1 INTERGENIC REGION//1.0:49:34//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38185  
 F-NT2RP2006023//DNA REPAIR PROTEIN REC N (RECOMBINATION PROTEIN N) (FRAGMENT)//1.0:40:45//VIBRIO CHOLERAEE//P52118  
 40 F-NT2RP2006038//HYPOTHETICAL 30.2 KD PROTEIN C02F5.4 IN CHROMOSOME III//4.0e-11:90:34//CAENORHABDITIS ELEGANS//P34281  
 F-NT2RP2006043//LAMININ BETA-1 CHAIN VARIANT (LAMININ BETA-1-2 CHAIN) (FRAGMENT)//0.00067:73:38//GALLUS GALLUS (CHICKEN)//Q01636  
 F-NT2RP2006052//METALLOTHIONEIN-I (MT-I)//0.19:31:38//CERCOPITHECUS AETHIOPS (GREEN MONKEY) (GRIVET)//P02797  
 45 F-NT2RP2006069//COLLAGEN ALPHA 2(I) CHAIN (FRAGMENTS)//1.0:66:34//RATTUS NORVEGICUS (RAT)//P02466  
 F-NT2RP2006071//RESTIN//0.40:156:29//GALLUS GALLUS (CHICKEN)//O42184  
 F-NT2RP2006098//HYPOTHETICAL 21.7 KD PROTEIN IN TUP1-ABP1 INTERGENIC REGION//0.99:95:20//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P25651  
 50 F-NT2RP2006100//LONG NEUROTOXIN 4 (ALPHA-NEUROTOXIN)//0.94:43:34//OPHIOPHAGUS HANNAH (KING COBRA) (NAJA HANNAH)//P80156  
 F-NT2RP2006103//50S RIBOSOMAL PROTEIN L32//0.40:36:38//SYNECHOCYSTIS SP. (STRAIN PCC 6803)//P73014  
 55 F-NT2RP2006106//CUTICLE COLLAGEN 1//0.28:85:29//CAENORHABDITIS ELEGANS//P08124  
 F-NT2RP2006141//HYPOTHETICAL 72.5 KD PROTEIN C2F7.10 IN CHROMOSOME I//1.9e-08:57:42//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09701  
 F-NT2RP2006166



F-NT2RP2006184//HYPOTHETICAL 11.2 KD PROTEIN IN CSGC-MDOG INTERGENIC REGION PRECURSOR//0.95:87:26//ESCHERICHIA COLI//P75917  
 F-NT2RP2006186//MICROTUBULE-ASSOCIATED PROTEIN 2//0.088:124:33//MUS MUSCULUS (MOUSE)//P20357  
 5 F-NT2RP2006196//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/4.0e-05:49:61//HOMO SAPIENS (HUMAN)//P39193  
 F-NT2RP2006200//PROCOLLAGEN ALPHA 2(V) CHAIN PRECURSOR//0.0013:205:32//HOMO SAPIENS (HUMAN)//P05997  
 F-NT2RP2006219//GONADAL PROTEIN GDL//3.5e-18:158:37//DROSOPHILA MELANOGASTER (FRUIT FLY)//P22468  
 10 F-NT2RP2006237//FIBRINOGEN- AND IG-BINDING PROTEIN PRECURSOR (MRP PROTEIN)//0.79:103:28//STREPTOCOCCUS PYOGENES//P30141  
 F-NT2RP2006238//PROLINE-RICH PROTEIN MP-3 (FRAGMENT)//4.7e-07:127:39//MUS MUSCULUS (MOUSE)//P05143  
 15 F-NT2RP2006258//PROBABLE E5 PROTEIN//0.78:47:34//RHESUS PAPILLOMAVIRUS TYPE 1 (RHPV 1)//P24834  
 F-NT2RP2006261//PENAEIDIN-3A PRECURSOR (P3-A)//0.61:35:40//PENAEUS VANNAMEI (PENOEID SHRIMP) (EUROPEAN WHITE SHRIMP)//P81058  
 F-NT2RP2006275//ELECTROMOTOR NEURON-ASSOCIATED PROTEIN 2 (FRAGMENT)//1.2e-28:59:57//TORPEDO CALIFORNICA (PACIFIC ELECTRIC RAY)//P14401  
 20 F-NT2RP2006312//HIGH-MOBILITY-GROUP PROTEIN (NONHISTONE CHROMOSOMAL PROTEIN)//1.6e-06:53:35//TETRAHYMENA PYRIFORMIS//P40625  
 F-NT2RP2006320//TAT PROTEIN (TRANSACTIVATING REGULATORY PROTEIN) (FRAGMENT)//0.90:24:41//HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (BH5 ISOLATE) (HIV-1)//P04612  
 25 F-NT2RP2006321//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/0.0051:25:76//HOMO SAPIENS (HUMAN)//P39193  
 F-NT2RP2006323//WISKOTT-ALDRICH SYNDROME PROTEIN (WASP)//0.84:33:39//HOMO SAPIENS (HUMAN)//P42768  
 F-NT2RP2006333//MYOTOXIN 3 PRECURSOR (CROTAMINE 3)//0.56:37:40//CROTALUS DURISSUS TERRIFICUS (SOUTH AMERICAN RATTLESNAKE)//P24333  
 30 F-NT2RP2006334//SUCCINYL-COA LIGASE [GDP-FORMING], ALPHA-CHAIN 3 PRECURSOR (EC 6.2.1.4) (SUCCINYL-COA SYNTHETASE, ALPHA CHAIN 3)//0.00097:46:41//TRICHOMONAS VAGINALIS//P53401  
 F-NT2RP2006365//NONSPECIFIC LIPID-TRANSFER PROTEIN 4.3 PRECURSOR (LTP 4.3)//0.18:75:29//HORDEUM VULGARE (BARLEY)//Q42842  
 35 F-NT2RP2006393//OMEGA-CONOTOXIN MVIIC PRECURSOR (FRAGMENT)//0.82:15:66//CONUS MAGUS (MAGUS CONE)//P37300  
 F-NT2RP2006436//ANTERIOR-RESTRICTED HOMEOBOX PROTEIN (RATHKE POUCH HOMEO BOX)//1.4e-08:50:50//MUS MUSCULUS (MOUSE)//Q61658  
 F-NT2RP2006441//METALLOTHIONEIN-LIKE PROTEIN 1//0.99:22:54//MIMULUS GUTTATUS (SPOTTED MONKEY FLOWER) (YELLOW MONKEY FLOWER)//P20238  
 40 F-NT2RP2006454//SPERM PROTAMINE P1//0.60:47:36//TACHYGLOSSUS ACULEATUS ACULEATUS (AUSTRALIAN ECHIDNA)//P35311  
 F-NT2RP2006456  
 F-NT2RP2006464//PHOTOSYSTEM I IRON-SULFUR CENTER (PHOTOSYSTEM I SUBUNIT VII) (9 KD POLYPEPTIDE) (PSI-C)//0.91:79:30//SYNECHOCOCCUS SP. (STRAIN PCC 7002) (AGMENELLUM QUADRUPLICATUM)//P31087  
 45 F-NT2RP2006467//PUTATIVE CUTICLE COLLAGEN F55C10.3//0.15:53:35//CAENORHABDITIS ELEGANS//Q21184  
 F-NT2RP2006472//HYPOTHETICAL 19 KD PROTEIN (ORF 167)//0.33:98:26//MARCHANTIA POLYMORPHA (LIVERWORT)//P12202  
 50 F-NT2RP2006534  
 F-NT2RP2006554//ANTI-SIGMA F FACTOR ANTAGONIST (STAGE II SPORULATION PROTEIN AA)//0.91:50:34//BACILLUS SPHAERICUS//O32723  
 F-NT2RP2006565//SECRETORY CARRIER-ASSOCIATED MEMBRANE PROTEIN 1 (SCAMP 37)//6.0e-66:93:96//RATTUS NORVEGICUS (RAT)//P56603  
 55 F-NT2RP2006571//CYTOCHROME P450 2B10 (EC 1.14.14.1) (CYPIB10) (TESTOSTERONE 16-ALPHA HYDROXYLASE) (P450-16-ALPHA) (CLONE PF3/46)//4.5e-40:138:57//MUS MUSCULUS (MOUSE)//P12791  
 F-NT2RP2006573//SPERM PROTAMINE P1 (CYSTEINE-RICH PROTAMINE)//0.53:46:39//BOS TAURUS (BO-

VINE).//P02318  
 F-NT2RP2006598//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/1.3e-12:44:77//HOMO SAPIENS (HUMAN).//  
 P39195  
 F-NT2RP3000002//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/1.4e-19:60:63//HOMO SAPIENS (HUMAN).//  
 5 P39192  
 F-NT2RP3000031//HYPOTHETICAL 89.8 KD PROTEIN F41H10.6 IN CHROMOSOME IV.//2.1e-39:210:42//  
 CAENORHABDITIS ELEGANS.//Q20296  
 F-NT2RP3000046//POSSIBLE THIOPHENE AND FURAN OXIDATION PROTEIN THDF.//1.4e-25:149:44//  
 PSEUDOMONAS PUTIDA.//P25755  
 10 F-NT2RP3000047//NPL4 PROTEIN.//4.7e-48:275:38//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//  
 P33755  
 F-NT2RP3000050//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1).//3.2e-72:232:59//HOMO SA-  
 PIENS (HUMAN).//P51522  
 F-NT2RP3000055//MALE SPECIFIC SPERM PROTEIN MST84DB.//0.26:57:36//DROSOPHILA MELA-  
 15 NOGASTER (FRUIT FLY).//Q01643  
 F-NT2RP3000068//HYPOTHETICAL 182.0 KD PROTEIN IN NMD5-HOM6 INTERGENIC REGION.//0.0014:66:  
 34//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P47170  
 F-NT2RP3000072//HYPOTHETICAL 6.7 KD PROTEIN IN NOHA-CSPI INTERGENIC REGION.//0.95:49:30//ES-  
 CHERICHIA COLI.//P77695  
 20 F-NT2RP3000080//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/5.1e-17:64:68//HOMO SAPIENS (HUMAN).//  
 P39188  
 F-NT2RP3000085//BIOTIN CARBOXYLASE (EC 6.3.4.14) (A SUBUNIT OF ACETYL-COA CARBOXYLASE (EC  
 6.4.1.2)) (ACC).//4.4e-43:169:51//BACILLUS SUBTILIS.//P49787  
 F-NT2RP3000092//CELL DIVISION CONTROL PROTEIN 1.//0.00016:103:31//SACCHAROMYCES CEREVI-  
 25 SIAE (BAKER'S YEAST).//P40986  
 F-NT2RP3000109//ACYL CARRIER PROTEIN HOMOLOG (ACP).//0.76:83:28//MYCOPLASMA GENITALIUM.//  
 P47529  
 F-NT2RP3000134  
 F-NT2RP3000142//GAR2 PROTEIN.//0.00098:241:20//SCHIZOSACCHAROMYCES POMBE (FISSION  
 30 YEAST).//P41891  
 F-NT2RP3000149//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L).//0.0014:33:36//PONGO PYGMAEUS ABE-  
 LII (SUMATRAN ORANGUTAN).//P92694  
 F-NT2RP3000186//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/8.3e-15:36:83//HOMO SAPIENS (HUMAN).//  
 P39188  
 35 F-NT2RP3000197//HYPOTHETICAL 6.0 KD PROTEIN IN THI12 5'REGION.//0.91:21:52//SACCHAROMYCES  
 CEREVISIAE (BAKER'S YEAST).//P53820  
 F-NT2RP3000207//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSI-  
 DASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE).//0.026:209:27//SACCHAROMYCES CEREVISIAE  
 (BAKER'S YEAST).//P08640  
 40 F-NT2RP3000220//DNA-BINDING P52/P100 COMPLEX, 100 KD SUBUNIT (FRAGMENTS).//1.0:26:42//HOMO  
 SAPIENS (HUMAN).//P30808  
 F-NT2RP3000233//RING CANAL PROTEIN (KELCH PROTEIN).//2.1e-42:249:39//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY).//Q04652  
 F-NT2RP3000235//HOMEBOX PROTEIN H40 (FRAGMENT).//0.55:45:40//APIS MELLIFERA (HONEYBEE).//  
 45 P15858  
 F-NT2RP3000247//HYPOTHETICAL PROTEIN KIAA0218.//1.7e-82:123:69//HOMO SAPIENS (HUMAN).//  
 Q93075  
 F-NT2RP3000251//SERINE PROTEINASE STUBBLE (EC 3.4.21.-) (STUBBLE-STUBBLOID PROTEIN).//1.0:53:  
 33//DROSOPHILA MELANOGASTER (FRUIT FLY).//Q05319  
 50 F-NT2RP3000252//HYPOTHETICAL 40 KD GTP-BINDING PROTEIN IN RIBOSOMAL PROTEIN GENE CLUS-  
 TER 5'REGION.//2.2e-06:96:32//HALOBACTERIUM CUTIRUBRUM.//P17103  
 F-NT2RP3000255//HISTONE H1.1 (FRAGMENT).//0.95:71:33//BOS TAURUS (BOVINE).//P02253  
 F-NT2RP3000267//HYPOTHETICAL 21.1 KD PROTEIN IN SSR-SERA INTERGENIC REGION (O182).//0.38:77:  
 33//ESCHERICHIA COLI.//P09160  
 55 F-NT2RP3000299//MYOSIN IC HEAVY CHAIN.//1.2e-11:147:34//ACANTHAMOEBA CASTELLANII (AMOEBA).//  
 P10569  
 F-NT2RP3000312//HYPOTHETICAL 57.5 KD PROTEIN IN VMA7-RPS25A INTERGENIC REGION.//0.64:216:  
 29//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P53214

F-NT2RP3000320//TRANSLATION INITIATION FACTOR IF-2.//5.2e-05:184:22//AQUIFEX AEOLICUS.//O67825  
 F-NT2RP3000324//HYPOTHETICAL PROTEIN HI1036.//0.69:64:35//HAEMOPHILUS INFLUENZAE.//P44097  
 F-NT2RP3000333//WIR1A PROTEIN.//0.35:51:41//TRITICUM AESTIVUM (WHEAT).//Q01482  
 F-NT2RP3000341//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!//2.1e-30:57:80//HOMO SAPIENS (HUMAN).//  
 5 P39189  
 F-NT2RP3000348  
 F-NT2RP3000350//HYPOTHETICAL 40 KD GTP-BINDING PROTEIN IN RIBOSOMAL PROTEIN GENE CLUS-  
 TER 5' REGION.//0.0011:77:35//HALOBACTERIUM CUTIRUBRUM.//P17103  
 F-NT2RP3000359//GTP:AMP PHOSPHOTRANSFERASE MITOCHONDRIAL (EC 2.7.4.10) (AK3).//1.2e-97:222:  
 10 84//BOS TAURUS (BOVINE).//P08760  
 F-NT2RP3000361//PRE-MRNA SPLICING FACTOR PRP6.//2.2e-08:128:28//SACCHAROMYCES CEREVISIAE  
 (BAKER'S YEAST).//P19735  
 F-NT2RP3000366//RAS-RELATED PROTEIN RAB-18.//2.1e-107:206:99//MUS MUSCULUS (MOUSE).//P35293  
 F-NT2RP3000393//HOMEBOX PROTEIN HOX-C4 (HOX-3E) (CP19).//0.0023:36:52//HOMO SAPIENS (HU-  
 15 MAN).//P09017  
 F-NT2RP3000397//PUTATIVE PRE-MRNA SPLICING FACTOR RNA HELICASE (DEAH BOX PROTEIN 13).//  
 5.5e-27:116:44//MUS MUSCULUS (MOUSE).//O35286  
 F-NT2RP3000403//PRE-MRNA PROCESSING PROTEIN PRP40.//0.00044:67:34//SACCHAROMYCES CERE-  
 VISIAE (BAKER'S YEAST).//P33203  
 20 F-NT2RP3000418//RETROVIRUS-RELATED POL POLYPROTEIN [CONTAINS: REVERSE TRANSCRIPTASE  
 (EC 2.7.7.49); ENDONUCLEASE].//2.2e-16:228:34//MUS MUSCULUS (MOUSE).//P11369  
 F-NT2RP3000433//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!//1.7e-17:79:55//HOMO SAPIENS (HUMAN).//  
 P39188  
 F-NT2RP3000439//HYPOTHETICAL 46.4 KD PROTEIN IN FFH-GRPE INTERGENIC REGION.//9.8e-10:201:  
 25 26//ESCHERICHIA COLI.//P37908  
 F-NT2RP3000441//PROTEIN-EXPORT MEMBRANE PROTEIN SECG HOMOLOG.//0.91:48:35//MYCOBACTE-  
 RIUM LEPRAE.//P38388  
 F-NT2RP3000449//HOMEBOX PROTEIN HOX-B8 (CHOX-2.4) (FRAGMENT).//1.0:42:33//GALLUS GALLUS  
 (CHICKEN).//P23681  
 30 F-NT2RP3000451  
 F-NT2RP3000456//COLLAGEN ALPHA 1(I) CHAIN  
 (FRAGMENTS).//0.00018:178:36//RATTUS NORVEGICUS (RAT).//P02454  
 F-NT2RP3000484//METALLOTHIONEIN-III (MT-III) (GROWTH INHIBITORY FACTOR) (GIF).//0.098:40:27//BOS  
 TAURUS (BOVINE).//P37359  
 35 F-NT2RP3000487//SULFATED SURFACE GLYCOPROTEIN 185 (SSG 185).//0.00037:16:81//VOLVOX CART-  
 ERI.//P21997  
 F-NT2RP3000512  
 F-NT2RP3000526//HYPOTHETICAL NIN REGION PROTEIN ORF56.//0.51:37:43//BACTERIOPHAGE LAMB-  
 DA.//P03769  
 40 F-NT2RP3000527//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1).//1.0e-16:234:30//HOMO SA-  
 PIENS (HUMAN).//P51522  
 F-NT2RP3000531//POLIOVIRUS RECEPTOR PRECURSOR (CD155 ANTIGEN).//3.4e-15:192:30//HOMO SA-  
 PIENS (HUMAN).//P15151  
 F-NT2RP3000542//CYTOCHROME C OXIDASE POLYPEPTIDE II (EC 1.9.3.1) (FRAGMENT).//0.60:51:39//AS-  
 45 TERINA PECTINIFERA (STARFISH).//P11958  
 F-NT2RP3000561//HYPOTHETICAL ATP-BINDING PROTEIN MJ0423.//0.79:53:32//METHANOCOCCUS JAN-  
 NASCHII.//Q57866  
 F-NT2RP3000562//ACCESSORY GLAND PEPTIDE PRECURSOR (PARAGONIAL PEPTIDE B).//0.99:26:34//  
 DROSOPHILA MAURITIANA (FRUIT FLY), AND DROSOPHILA SIMULANS (FRUIT FLY).//O18666  
 50 F-NT2RP3000578//HYPOTHETICAL 49.8 KD PROTEIN IN RPL14B-GPA1 INTERGENIC REGION.//1.5e-26:127:  
 37//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P38755  
 F-NT2RP3000582  
 F-NT2RP3000584//METALLOTHIONEIN-II (MT-II).//0.28:27:29//MUS MUSCULUS (MOUSE).//P02798  
 F-NT2RP3000590//UVS-2 PROTEIN.//4.8e-10:113:33//NEUROSPORA CRASSA.//P33288  
 55 F-NT2RP3000592//TRANSCRIPTION INITIATION FACTOR TFIID 135 KD SUBUNIT (TAFII-135) (TAFII135)  
 (TAFII-130) (TAFII130).//0.00087:178:31//HOMO SAPIENS (HUMAN).//O00268  
 F-NT2RP3000596//YEMANUCLEIN-ALPHA.//1.8e-05:98:34//DROSOPHILA MELANOGASTER (FRUIT FLY).//  
 P25992

F-NT2RP3000599//SPLICEOSOME ASSOCIATED PROTEIN 62 (SAP 62) (SF3A66)//0.00095:90:37//HOMO  
 SAPIENS (HUMAN)//Q15428  
 F-NT2RP3000603//5E5 ANTIGEN//1.0e-09:181:34//RATTUS NORVEGICUS (RAT)//Q63003  
 F-NT2RP3000605//STEROL REGULATORY ELEMENT BINDING PROTEIN-1 (SREBP-1) (STEROL REGULA-  
 5 TORY ELEMENT-BINDING TRANSCRIPTION FACTOR 1)//0.00098:76:34//HOMO SAPIENS (HUMAN)//  
 P36956  
 F-NT2RP3000622//HYPOTHETICAL PROTEIN MG096 HOMOLOG 5 (P02\_ORF427)//0.15:52:36//MYCOPLAS-  
 MA PNEUMONIAE//P75277  
 F-NT2RP3000624//HYPOTHETICAL PROTEIN KIAA0256//5.4e-16:222:31//HOMO SAPIENS (HUMAN)//  
 10 Q93073  
 F-NT2RP3000628  
 F-NT2RP3000632//ZINC FINGER PROTEIN 90 (ZFP-90) (ZINC FINGER PROTEIN NK10)//2.0e-16:52:63//MUS  
 MUSCULUS (MOUSE)//Q61967  
 F-NT2RP3000644//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/6.7e-40:102:79//HOMO SAPIENS (HU-  
 15 MAN)//P39194  
 F-NT2RP3000661//HYPOTHETICAL 139.1 KD PROTEIN C08B11.3 IN CHROMOSOME II//6.0e-08:83:36//  
 CAENORHABDITIS ELEGANS//Q09441  
 F-NT2RP3000665//HOMEODOMAIN PROTEIN PROPHET OF PIT-1 (PROP-1) (PITUITARY SPECIFIC HOMEODO-  
 MAIN FACTOR)//0.13:48:35//HOMO SAPIENS (HUMAN)//O75360  
 20 F-NT2RP3000685//HYPOTHETICAL 33.5 KD PROTEIN IN CAT1 5'REGION (ORFY)//0.26:202:23//CLOSTRID-  
 IUM KLUYVERI//P38943  
 F-NT2RP3000690//INORGANIC PYROPHOSPHATASE (EC 3.6.1.1) (PYROPHOSPHATE PHOSPHO- HYDRO-  
 LASE) (PPASE)//0.99:131:26//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P00817  
 F-NT2RP3000736//HYPOTHETICAL 28.7 KD PROTEIN IN RNR3-ARC15 INTERGENIC REGION//3.5e-27:211:  
 25 34//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40516  
 F-NT2RP3000739//HYPOTHETICAL 33.5 KD PROTEIN C1D4.02C IN CHROMOSOME I//6.0e-23:114:42//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q10149  
 F-NT2RP3000742//1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE DELTA 1 (EC  
 3.1.4.11) (PLC-DELTA-1) (PHOSPHOLIPASE C-DELTA-1) (PLC-III)//6.7e-12:85:36//RATTUS NORVEGICUS  
 30 (RAT)//P10688  
 F-NT2RP3000753//CELL SURFACE GLYCOPROTEIN 1 PRECURSOR (OUTER LAYER PROTEIN B) (S-LAYER  
 PROTEIN 1)//0.00011:208:28//CLOSTRIDIUM THERMOCELLUM//Q06852  
 F-NT2RP3000759//ADP-RIBOSYLATION FACTOR 6//8.1e-28:141:38//GALLUS GALLUS (CHICKEN)//P26990  
 F-NT2RP3000815//CYTOCHROME C-551 (C551) (CYTOCHROME C8)//0.24:45:37//PSEUDOMONAS DENI-  
 35 TRIFICANS//P00103  
 F-NT2RP3000825//ALPHA-LACTALBUMIN (LACTOSE SYNTHASE B PROTEIN (EC 2.4.1.22))//0.82:51:39//  
 MACROPUS RUFUGRISEUS (RED-NECKED WALLABY)//P07458  
 F-NT2RP3000826//COLLAGEN ALPHA 1(XII) CHAIN (FRAGMENTS)//0.025:79:37//BOS TAURUS (BOVINE)//  
 P25508  
 40 F-NT2RP3000836//HYPOTHETICAL PROTEIN IN KSGA 3'REGION (ORF L5) (FRAGMENT)//0.85:36:47//MYC-  
 OPLASMA CAPRICOLUM//P43040  
 F-NT2RP3000841//UDP-GLUCURONOSYLTRANSFERASE 1-7 PRECURSOR, MICROSOMAL (EC 2.4.1.17)  
 (UDPGT) (UGT1\*7) (UGT1-07) (UGT1.7) (UGT1A7) (UGTP4) (FRAGMENT)//1.0:70:34//MUS MUSCULUS  
 (MOUSE)//Q62452  
 45 F-NT2RP3000845//PUTATIVE SERINE/THREONINE-PROTEIN KINASE P78 (EC 2.7.1.-)//5.2e-72:247:61//HO-  
 MO SAPIENS (HUMAN)//P27448  
 F-NT2RP3000847//HYPOTHETICAL PROTEIN KIAA0161//0.037:55:30//HOMO SAPIENS (HUMAN)//P50876  
 F-NT2RP3000850//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/7.4e-31:90:75//HOMO SAPIENS (HUMAN)//  
 P39194  
 50 F-NT2RP3000852//HYDROPHOBIC SEED PROTEIN (HPS)//0.33:23:69//GLYCINE MAX (SOYBEAN)//P24337  
 F-NT2RP3000859//IMMEDIATE-EARLY PROTEIN//3.6e-07:189:25//HERPESVIRUS SAIMIRI (STRAIN 11)//  
 Q01042  
 F-NT2RP3000865  
 F-NT2RP3000868//MYOSIN HEAVY CHAIN, CARDIAC MUSCLE ISOFORM (FRAGMENT)//1.4e-09:232:28//  
 55 GALLUS GALLUS (CHICKEN)//P29616  
 F-NT2RP3000869//CUTICLE COLLAGEN 2//4.5e-08:58:46//CAENORHABDITIS ELEGANS//P17656  
 F-NT2RP3000875//HOMEODOMAIN PROTEIN CDX-2 (CAUDAL-TYPE HOMEODOMAIN PROTEIN 2)//0.90:62:37//  
 MUS MUSCULUS (MOUSE)//P43241

F-NT2RP3000901//COLLAGEN ALPHA 1(I) CHAIN (FRAGMENTS)//0.99:124:33//BOS TAURUS (BOVINE)//  
 P02453  
 F-NT2RP3000904  
 F-NT2RP3000917//DHP1 PROTEIN//6.5e-60:229:55//SCHIZOSACCHAROMYCES POMBE (FISSION  
 5 YEAST)//P40848  
 F-NT2RP3000919//HYPOTHETICAL 33.5 KD PROTEIN C1D4.02C IN CHROMOSOME I//2.4e-19:159:34//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q10149  
 F-NT2RP3000968//40S RIBOSOMAL PROTEIN S15A//3.7e-48:73:98//HOMO SAPIENS (HUMAN), AND RAT-  
 TUS NORVEGICUS (RAT)//P39027  
 10 F-NT2RP3000980//COPA/INCA PROTEIN (REPA3 PROTEIN)//0.24:19:47//ESCHERICHIA COLI//P13946  
 F-NT2RP3000994//MATERNAL EFFECT PROTEIN STAUFEN//1.4e-10:78:48//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY)//P25159  
 F-NT2RP3001004//HYPOTHETICAL 7.6 KD PROTEIN B0563.8 IN CHROMOSOME X//0.70:50:32//  
 CAENORHABDITIS ELEGANS//Q11084  
 15 F-NT2RP3001007  
 F-NT2RP3001055//N-TERMINAL ACETYLTRANSFERASE COMPLEX ARD1 SUBUNIT HOMOLOG//1.3e-05:  
 138:28//DICTYOSTELIUM DISCOIDEUM (SLIME MOLD)//P36416  
 F-NT2RP3001057//ZINC FINGER PROTEIN 45 (BRC1744)//4.0e-28:141:51//HOMO SAPIENS (HUMAN)//  
 Q02386  
 20 F-NT2RP3001081//HYPOTHETICAL 46.4 KD PROTEIN T16H12.5 IN CHROMOSOME III//3.8e-08:144:29//  
 CAENORHABDITIS ELEGANS//P34568  
 F-NT2RP3001084//SPIDROIN 2 (DRAGLINE SILK FIBROIN 2) (FRAGMENT)//3.4e-06:217:32//NEPHILA CLA-  
 VIPES (ORB SPIDER)//P46804  
 F-NT2RP3001096//SYNAPTONEMAL COMPLEX PROTEIN SC65//1.1e-30:244:33//RATTUS NORVEGICUS  
 25 (RAT)//Q64375  
 F-NT2RP3001107//ARYLSULFATASE F (EC 3.1.6.-) (ASF) (FRAGMENT)//0.041:47:44//HOMO SAPIENS (HU-  
 MAN)//P54793  
 F-NT2RP3001109  
 F-NT2RP3001111//MALE SPECIFIC SPERM PROTEIN MST84DC//0.17:28:39//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY)//Q01644  
 30 F-NT2RP3001113//INVOLUCRIN//0.00036:192:23//MUS MUSCULUS (MOUSE)//P48997  
 F-NT2RP3001115  
 F-NT2RP3001116//AMINOPEPTIDASE G (EC 3.4.11.-) (FRAGMENT)//0.99:29:51//STREPTOMYCES LIVI-  
 DANS//Q54340  
 35 F-NT2RP3001119//COLLAGEN ALPHA 4(IV) CHAIN (FRAGMENT)//0.0015:73:39//BOS TAURUS (BOVINE)//  
 Q29442  
 F-NT2RP3001120//ZINC FINGER PROTEIN ZFP-36 (FRAGMENT)//1.3e-57:229:52//HOMO SAPIENS (HU-  
 MAN)//P16415  
 F-NT2RP3001126//HYPOTHETICAL 91.2 KD PROTEIN IN RPS4B-SCH9 INTERGENIC REGION//2.8e-07:83:  
 34//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38888  
 40 F-NT2RP3001133//CALCIUM BINDING PROTEIN//2.0e-08:171:32//DICTYOSTELIUM DISCOIDEUM (SLIME  
 MOLD)//P35085  
 F-NT2RP3001140//F-SPONDIN PRECURSOR//2.0e-147:244:97//RATTUS NORVEGICUS (RAT)//P35446  
 F-NT2RP3001147//TROPOMYOSIN 2 (TMII)//0.11:159:23//SCHISTOSOMA MANSONI (BLOOD FLUKE)//  
 45 P42638  
 F-NT2RP3001150//OCTAPEPTIDE-REPEAT PROTEIN T2//6.2e-09:163:25//MUS MUSCULUS (MOUSE)//  
 Q06666  
 F-NT2RP3001155//DNA POLYMERASE ALPHA-BINDING PROTEIN (POB1/CTF4 PROTEIN) (CHROMOSOME  
 REPLICATION PROTEIN CHL15)//4.1e-05:244:23//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//  
 50 Q01454  
 F-NT2RP3001176//LEUKOSIALIN PRECURSOR (LEUCOCYTE SIALOGLYCOPROTEIN) (SIALOPHORIN)  
 (CD43) (LY 48) (B CELL DIFFERENTIATION ANTIGEN LP-3)//0.21:136:26//MUS MUSCULUS (MOUSE)//  
 P15702  
 F-NT2RP3001214//SAP1 PROTEIN//0.058:133:30//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//  
 55 P39955  
 F-NT2RP3001216//CYLICIN I (MULTIPLE-BAND POLYPEPTIDE I) (FRAGMENT)//2.1e-08:137:33//HOMO SA-  
 PIENS (HUMAN)//P35663  
 F-NT2RP3001221//GAMMA-BUTYROBETAINE,2-OXOGLUTARATE DIOXYGENASE (EC 1.14.11.1) (GAMMA-

BUTYROBETAINE HYDROXYLASE)//4.2e-05:131:26//PSEUDOMONAS SP. (STRAIN AK-1)//P80193  
 F-NT2RP3001232//HYPOTHETICAL PROTEIN PRECURSOR IN CS5 3'REGION (FRAGMENT)//0.75:57:31//  
 ESCHERICHIA COLI//P33792  
 F-NT2RP3001236//TRANSFORMING PROTEIN MAF//0.017:136:30//AVIAN MUSCULOAPONEUROTIC FIB-  
 ROSARCOMA VIRUS AS42//P23091  
 5 F-NT2RP3001239//ELECTROMOTOR NEURON-ASSOCIATED PROTEIN 1 (FRAGMENT)//4.2e-55:221:49//  
 TORPEDO CALIFORNICA (PACIFIC ELECTRIC RAY)//P14400  
 F-NT2RP3001245  
 F-NT2RP3001253//TROPOMYOSIN 2, MUSCLE THORACIC ISOFORM (TROPOMYOSIN I)//0.0042:142:24//  
 10 DROSOPHILA MELANOGASTER (FRUIT FLY)//P09491  
 F-NT2RP3001260//COLLAGEN ALPHA 4(IV) CHAIN PRECURSOR//0.0011:89:43//HOMO SAPIENS (HU-  
 MAN)//P53420  
 F-NT2RP3001268//ZINC FINGER PROTEIN 45 (BRC1744)//9.0e-29:194:44//HOMO SAPIENS (HUMAN)//  
 Q02386  
 15 F-NT2RP3001272//HYPOTHETICAL 75.2 KD PROTEIN C13F4.08C IN CHROMOSOME I//8.2e-17:183:26//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q10199  
 F-NT2RP3001274//SERINE/THREONINE PROTEIN PHOSPHATASE 5 (EC 3.1.3.16) (PP5) (PROTEIN PHOS-  
 PHATASE T) (PPT) (FRAGMENT)//1.7e-09:78:39//MUS MUSCULUS (MOUSE)//Q60676  
 F-NT2RP3001281//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!//7.7e-08:38:71//HOMO SAPIENS (HUMAN)//  
 20 P39188  
 F-NT2RP3001297//HYPOTHETICAL PROTEIN KIAA0281 (HA6725)//2.2e-57:159:70//HOMO SAPIENS (HU-  
 MAN)//Q92556  
 F-NT2RP3001307//SPERM PROTAMINE P1//0.21:46:39//ORNITHORHYNCHUS ANATINUS (DUCKBILL PLAT-  
 YPUS)//P35307  
 25 F-NT2RP3001318  
 F-NT2RP3001325//ENHANCER OF RUDIMENTARY HOMOLOG//1.0:73:24//BRACHYDANIO RERIO (ZE-  
 BRAFISH) (ZEBRA DANIO)//Q98874  
 F-NT2RP3001338//ZINC FINGER PROTEIN 29 (ZINC FINGER PROTEIN KOX26) (FRAGMENT)//0.0021:56:  
 35//HOMO SAPIENS (HUMAN)//P17037  
 30 F-NT2RP3001339//CITRON PROTEIN//3.6e-06:90:33//MUS MUSCULUS (MOUSE)//P49025  
 F-NT2RP3001340//HYPOTHETICAL PROTEIN UL61//7.2e-11:202:34//HUMAN CYTOMEGALOVIRUS  
 (STRAIN AD169)//P16818  
 F-NT2RP3001355//TRICARBOXYLATE TRANSPORT PROTEIN PRECURSOR (CITRATE TRANSPORT PRO-  
 TEIN) (CTP) (TRICARBOXYLATE CARRIER PROTEIN)//7.7e-16:129:33//HOMO SAPIENS (HUMAN)//P53007  
 35 F-NT2RP3001356//RAS-RELATED PROTEIN RABA (FRAGMENT)//0.00041:66:28//DICTYOSTELIUM DISCOI-  
 DEUM (SLIME MOLD)//P34141  
 F-NT2RP3001374  
 F-NT2RP3001383//PTB-ASSOCIATED SPLICING FACTOR (PSF)//2.5e-06:190:32//HOMO SAPIENS (HU-  
 MAN)//P23246  
 40 F-NT2RP3001384//CHORION PROTEIN S15//0.00079:94:37//DROSOPHILA VIRILIS (FRUIT FLY)//P13424  
 F-NT2RP3001392//VPU PROTEIN (ORF-X PROTEIN) (UPX PROTEIN)//1.0:22:45//CAPRINE ARTHRITIS EN-  
 CEPHALITIS VIRUS (CAEV)//P31834  
 F-NT2RP3001396//HYPOTHETICAL 8.1 KD PROTEIN (ORF4)//1.0:37:32//STRAWBERRY MILD YELLOW  
 EDGE-ASSOCIATED VIRUS (SMYEA)/Q00848  
 45 F-NT2RP3001398//KRUEPPEL-RELATED ZINC FINGER PROTEIN 2 (HKR2 PROTEIN) (FRAGMENT)//1.9e-  
 08:45:37//HOMO SAPIENS (HUMAN)//P10073  
 F-NT2RP3001399//SSU72 PROTEIN//7.3e-18:84:52//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//  
 P53538  
 F-NT2RP3001407//SCY1 PROTEIN//1.5e-08:143:25//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//  
 50 P53009  
 F-NT2RP3001420//HYPOTHETICAL 7.9 KD PROTEIN//0.25:41:26//VACCINIA VIRUS (STRAIN COPENHA-  
 GEN)//P20542  
 F-NT2RP3001426//DNAJ PROTEIN//7.5e-15:78:43//HAEMOPHILUS INFLUENZAE//P43735  
 F-NT2RP3001427//WERNER SYNDROME HELICASE//3.6e-13:159:33//HOMO SAPIENS (HUMAN)//Q14191  
 55 F-NT2RP3001428//NUCLEOPROTEIN TPR//1.8e-53:117:99//HOMO SAPIENS (HUMAN)//P12270  
 F-NT2RP3001432//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 5 (EC 1.6.5.3) (FRAGMENT)//0.96:52:  
 21//TARSIVUS SYRICHTA (TARSIER)//Q36151  
 F-NT2RP3001447//HYPOTHETICAL 5.5 KD PROTEIN IN REPLICATION ORIGIN REGION (ORF1)//0.96:45:35//

ESCHERICHIA COLI//P14505  
 F-NT2RP3001449//HOMEBOX PROTEIN SAX-1 (CHOX-3) (FRAGMENT)//0.0043:53:43//GALLUS GALLUS (CHICKEN)//P19601  
 5 F-NT2RP3001453//MALE SPECIFIC SPERM PROTEIN MST84DB//0.0048:65:40//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q01643  
 F-NT2RP3001457//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS28//0.55:121:20//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//Q02767  
 F-NT2RP3001459//MYOSIN IC HEAVY CHAIN//0.10:126:34//ACANTHAMOEBA CASTELLANII (AMOEBA)//P10569  
 10 F-NT2RP3001472//NONHISTONE CHROMOSOMAL PROTEIN 6A//3.0e-14:87:43//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P11632  
 F-NT2RP3001490//METALLOTHIONEIN-LIKE PROTEIN LSC54//1.0:39:35//BRASSICA NAPUS (RAPE)//P43402  
 F-NT2RP3001495//UBIQUITIN-PROTEIN LIGASE RSP5 (EC 6.3.2.-)//3.3e-14:148:35//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P39940  
 15 F-NT2RP3001497//COLLAGEN ALPHA 1(XII) CHAIN (FRAGMENTS)//0.13:44:38//BOS TAURUS (BOVINE)//P25508  
 F-NT2RP3001527//SPERM PROTAMINE P1//0.35:29:37//DIDELPHIS MARSUPIALIS VIRGINIANA (NORTH AMERICAN OPOSSUM), AND MONODELPHIS DOMESTICA (SHORT-TAILED GREY OPOSSUM)//P35305  
 20 F-NT2RP3001529//HYPOTHETICAL 43.3 KD GTP-BINDING PROTEIN IN DACB-RPMA INTERGENIC REGION//3.3e-21:125:37//ESCHERICHIA COLI//P42641  
 F-NT2RP3001538//HNF3/FH TRANSCRIPTION FACTOR GENESIS (WINGED HELIX PROTEIN CWH-3)//0.13:53:39//GALLUS GALLUS (CHICKEN)//P79772  
 F-NT2RP3001554//ELECTROMOTOR NEURON-ASSOCIATED PROTEIN 2 (FRAGMENT)//2.3e-48:137:52//TORPEDO CALIFORNICA (PACIFIC ELECTRIC RAY)//P14401  
 25 F-NT2RP3001580//GERM CELL-LESS PROTEIN//8.2e-18:100:42//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q01820  
 F-NT2RP3001587//UBIQUITIN-ACTIVATING ENZYME E1-LIKE (POLYMERASE-INTERACTING PROTEIN 2)//2.0e-47:188:51//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P52488  
 30 F-NT2RP3001589//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/7.4e-41:87:80//HOMO SAPIENS (HUMAN)//P39193  
 F-NT2RP3001607//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//1.0:49:32//DICENTRARCHUS LABRAX (EUROPEAN SEA BASS)//Q36362  
 F-NT2RP3001608//EXTENSIN PRECURSOR (PROLINE-RICH GLYCOPROTEIN)//0.0013:177:25//ZEA MAYS (MAIZE)//P14918  
 35 F-NT2RP3001621//MALE SPECIFIC SPERM PROTEIN MST84DD//0.84:29:37//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q01645  
 F-NT2RP3001629//RAS-RELATED C3 BOTULINUM TOXIN SUBSTRATE 1 (P21-RAC1) (FRAGMENTS)//0.91:57:24//CAVIA PORCELLUS (GUINEA PIG)//P80236  
 40 F-NT2RP3001634//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/8.9e-11:73:54//HOMO SAPIENS (HUMAN)//P39189  
 F-NT2RP3001642//HYPOTHETICAL PROTEIN KIAA0210//1.1e-12:117:29//HOMO SAPIENS (HUMAN)//Q92609  
 F-NT2RP3001646//HYPOTHETICAL 29.3 KD PROTEIN (ORF92)//0.0092:69:34//ORGYIA PSEUDOTSUGATA MULTICAPSID POLYHEDROSIS VIRUS (OPMNPV)//O10341  
 45 F-NT2RP3001671//RING CANAL PROTEIN (KELCH PROTEIN)//0.0042:55:41//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q04652  
 F-NT2RP3001672  
 F-NT2RP3001676//GTP-BINDING PROTEIN LEPA (FRAGMENT)//1.2e-15:56:62//PSEUDOMONAS FLUORESCENS//P26843  
 50 F-NT2RP3001678//SPIDROIN 2 (DRAGLINE SILK FIBROIN 2) (FRAGMENT)//0.054:187:31//NEPHILA CLAVIPES (ORB SPIDER)//P46804  
 F-NT2RP3001679//HYPOTHETICAL 68.7 KD PROTEIN ZK757.1 IN CHROMOSOME III//1.5e-07:63:44//CAENORHABDITIS ELEGANS//P34679  
 55 F-NT2RP3001688//GLUCOAMYLASE S1 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA-GLUCOSIDASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE) (GAI)//1.0:83:28//SACCHAROMYCES DIASTATICUS (YEAST)//P04065  
 F-NT2RP3001690//MYOSIN HEAVY CHAIN, CARDIAC MUSCLE BETA ISOFORM//0.021:247:24//HOMO SA-

PIENS (HUMAN)//P12883  
 F-NT2RP3001698  
 F-NT2RP3001708//TWISTED GASTRULATION PROTEIN PRECURSOR//7.7e-12:73:43//DROSOPHILA MEL-  
 ANOGASTER (FRUIT FLY)//P54356  
 5 F-NT2RP3001712//CEC-1 PROTEIN//1.9e-07:121:29//CAENORHABDITIS ELEGANS//P34618  
 F-NT2RP3001716//SALIVARY GLUE PROTEIN SGS-3 PRECURSOR//0.89:54:40//DROSOPHILA SIMULANS  
 (FRUIT FLY)//P13729  
 F-NT2RP3001724//CHROMODOMAIN-HELICASE-DNA-BINDING PROTEIN 1 (CHD-1)//7.5e-41:164:48//HO-  
 MO SAPIENS (HUMAN)//O14646  
 10 F-NT2RP3001727//HYPOTHETICAL 37.7 KD PROTEIN ZK686.3 IN CHROMOSOME III//1.5e-51:240:41//  
 CAENORHABDITIS ELEGANS//P34669  
 F-NT2RP3001730//SEPTIN 2 HOMOLOG (FRAGMENT)//2.4e-122:267:86//HOMO SAPIENS (HUMAN)//  
 Q14141  
 F-NT2RP3001739//INTESTINAL SODIUM/DICARBOXYLATE COTRANSPORTER (NA(+)/DICARBOXYLATE  
 15 COTRANSPORTER)//0.99:63:34//RATTUS NORVEGICUS (RAT)//P70545  
 F-NT2RP3001752//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/4.0e-21:60:85//HOMO SAPIENS (HUMAN)//  
 P39193  
 F-NT2RP3001753//HYPOTHETICAL PROTEIN KIAA0127//7.9e-12:83:44//HOMO SAPIENS (HUMAN)//  
 Q14140  
 20 F-NT2RP3001764//DUAL SPECIFICITY PROTEIN PHOSPHATASE 6 (EC 3.1.3.48) (EC 3.1.3.16) (DUAL SPE-  
 CIFICITY PROTEIN PHOSPHATASE PYST1)//7.7e-25:146:36//HOMO SAPIENS (HUMAN)//Q16828  
 F-NT2RP3001777//SERINE/THREONINE-PROTEIN KINASE STE20 HOMOLOG (EC 2.7.1.-)//0.0096:204:25//  
 CANDIDA ALBICANS (YEAST)//Q92212  
 F-NT2RP3001782//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//0.91:34:44//PONGO PYGMAEUS ABELII  
 25 (SUMATRAN ORANGUTAN)//P92694  
 F-NT2RP3001792//HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN M (HNRNP M)//1.8e-33:159:53//  
 HOMO SAPIENS (HUMAN)//P52272  
 F-NT2RP3001799//LIGHT-HARVESTING PROTEIN B800/830/1020, ALPHA-2 CHAIN (EHS-ALPHA-2) (ANTEN-  
 NA PIGMENT PROTEIN, ALPHA-2 CHAIN)//0.14:46:28//ECTOTHIORHODOSPIRA HALOCHLORIS//P80103  
 30 F-NT2RP3001819//PROCOLLAGEN ALPHA 2(I) CHAIN PRECURSOR//0.00030:77:36//HOMO SAPIENS (HU-  
 MAN)//P08123  
 F-NT2RP3001844//OCTAMER-BINDING TRANSCRIPTION FACTOR 1 (OTF-1) (NF-A1) (FRAGMENT)//0.99:  
 43:34//MACROPUS EUGENII (TAMMAR WALLABY)//Q28466  
 F-NT2RP3001854//FIBRINOGEN- AND IG-BINDING PROTEIN PRECURSOR (MRP PROTEIN)//9.3e-10:213:  
 35 24//STREPTOCOCCUS PYOGENES//P30141  
 F-NT2RP3001855//HOMEBOX PROTEIN PKNOX1 (HOMEBOX PROTEIN PREP-1)//2.6e-61:220:60//HO-  
 MO SAPIENS (HUMAN)//P55347  
 F-NT2RP3001857//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1//1.0e-13:213:24//PODOSPORA AN-  
 SERINA//Q00808  
 40 F-NT2RP3001896//SPLICEOSOME ASSOCIATED PROTEIN 62 (SAP 62) (SF3A66)//0.074:124:34//HOMO SA-  
 PIENS (HUMAN)//Q15428  
 F-NT2RP3001898//REGULATORY PROTEIN E2//0.36:131:29//CANINE ORAL PAPILLOMAVIRUS (COPV)//  
 Q89420  
 F-NT2RP3001915//CHITIN BIOSYNTHESIS PROTEIN CHS5 (CAL3 PROTEIN)//0.0021:237:23//SACCHARO-  
 45 MYCES CEREVISIAE (BAKER'S YEAST)//Q12114  
 F-NT2RP3001926//HYPOTHETICAL 14.0 KD PROTEIN IN RPL15B-GCR3 INTERGENIC REGION//1.0:63:34//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//Q03880  
 F-NT2RP3001929//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/1.4e-14:35:60//HOMO SAPIENS (HUMAN)//  
 P39195  
 50 F-NT2RP3001931//HYPOTHETICAL 59.3 KD PROTEIN IN TAP42-ARP9 INTERGENIC REGION//0.86:162:24//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//Q05040  
 F-NT2RP3001938//GLYCOPROTEIN GP50//0.0036:54:40//PSEUDORABIES VIRUS (STRAIN RICE) (PRV)//  
 P07645  
 F-NT2RP3001943//33.2 KD PROTEIN IN DIND-RPH INTERGENIC REGION (ORF X)//1.0:113:27//ES-  
 55 CHERICHIA COLI//P23839  
 F-NT2RP3001944//HYPOTHETICAL 47.6 KD PROTEIN C16C10.5 IN CHROMOSOME III//4.1e-56:208:47//  
 CAENORHABDITIS ELEGANS//Q09251  
 F-NT2RP3001969//PUFF II/9-2 PROTEIN PRECURSOR//0.0078:149:26//SCIARA COPROPHILA (FUNGUS



GNAT).//P22312  
 F-NT2RP3001989//SPERM PROTAMINE P1 (CYSTEINE-RICH PROTAMINE)//1.0:41:31//MUS MUSCULUS (MOUSE).//P02319  
 F-NT2RP3002002//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/1.2e-44:69:79//HOMO SAPIENS (HUMAN).//P39195  
 5 F-NT2RP3002004//TRANSCRIPTION FACTOR BF-2 (BRAIN FACTOR 2) (BF2)//0.00024:45:40//MUS MUSCULUS (MOUSE).//Q61345  
 F-NT2RP3002007//TENASCIN PRECURSOR (TN) (HEXABRACHION) (CYTOTACTIN) (NEURONECTIN) (GMEM) (JI) (MIOTENDINOUS ANTIGEN) (GLIOMA-ASSOCIATED-EXTRACELLULAR MATRIX ANTIGEN) (GP 150-225) (TENASCIN-C)//0.21:115:28//HOMO SAPIENS (HUMAN).//P24821  
 10 F-NT2RP3002014//HYPOTHETICAL 32.0 KD PROTEIN C09F5.2 IN CHROMOSOME III//1.7e-25:139:48//CAENORHABDITIS ELEGANS//Q09232  
 F-NT2RP3002033//ACTIVATOR OF APOPTOSIS HAKIRI (NEURONAL DEATH PROTEIN DP5)//0.14:65:41//HOMO SAPIENS (HUMAN).//O00198  
 15 F-NT2RP3002045//ALPHA-ADAPTIN C (CLATHRIN ASSEMBLY PROTEIN COMPLEX 2 ALPHA-C LARGE CHAIN) (100 KD COATED VESICLE PROTEIN C) (PLASMA MEMBRANE ADAPTOR HA2/AP2 ADAPTIN ALPHA C SUBUNIT)//8.1e-108:192:98//MUS MUSCULUS (MOUSE).//P17427  
 F-NT2RP3002054//HYPOTHETICAL 35.5 KD PROTEIN IN TRANSPOSON TN4556//0.046:176:31//STREPTOMYCES FRADIAE//P20186  
 20 F-NT2RP3002056//140 KD NUCLEOLAR PHOSPHOPROTEIN (NOPP140)//1.4e-07:245:25//RATTUS NORVEGICUS (RAT).//P41777  
 F-NT2RP3002057//SMALL HYDROPHOBIC PROTEIN//1.0:12:66//SIMIAN VIRUS 5 (STRAIN W3) (SV5).//P07577  
 F-NT2RP3002062//PROTEASE A INHIBITOR 3 (PROTEINASE INHIBITOR I(A)3)//1.0:49:32//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P01094  
 25 F-NT2RP3002063//ACYL CARRIER PROTEIN (ACP)//0.99:38:31//HAEMOPHILUS INFLUENZAE//P43709  
 F-NT2RP3002081//HYPOTHETICAL 100.5 KD PROTEIN C1B9.04 IN CHROMOSOME I//5.8e-35:253:37//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST).//Q10429  
 F-NT2RP3002097//HYPOTHETICAL 98.1 KD PROTEIN IN SPX19-GCR2 INTERGENIC REGION//6.2e-06:99:31//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P40164  
 30 F-NT2RP3002102//HYPOTHETICAL 7.4 KD PROTEIN//0.68:34:47//THERMOPROTEUS TENAX VIRUS 1 (STRAIN KRA1) (TTV1).//P19302  
 F-NT2RP3002108//HYPOTHETICAL 105.5 KD PROTEIN R13F6.10 IN CHROMOSOME III//7.9e-19:179:34//CAENORHABDITIS ELEGANS//Q21986  
 35 F-NT2RP3002142//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/2.6e-17:37:75//HOMO SAPIENS (HUMAN).//P39188  
 F-NT2RP3002146//CUTICLE COLLAGEN 40//0.00034:90:37//CAENORHABDITIS ELEGANS//P34804  
 F-NT2RP3002147//SALIVARY PROLINE-RICH PROTEIN PO PRECURSOR (ALLELE S)//0.011:166:28//HOMO SAPIENS (HUMAN).//P10163  
 40 F-NT2RP3002151//G1 TO S PHASE TRANSITION PROTEIN 1 HOMOLOG (GTP-BINDING PROTEIN GST1-HS)//4.8e-11:60:53//HOMO SAPIENS (HUMAN).//P15170  
 F-NT2RP3002163//TRANSCRIPTION INITIATION FACTOR TFIID 135 KD SUBUNIT (TAFII-135) (TAFII135) (TAFII-130) (TAFII130)//0.028:191:29//HOMO SAPIENS (HUMAN).//O00268  
 F-NT2RP3002165//TRANSCRIPTIONAL REGULATOR PROTEIN HCNGP//2.3e-131:223:91//MUS MUSCULUS (MOUSE).//Q02614  
 45 F-NT2RP3002166//D-ALANYL CARRIER PROTEIN (DCP)//1.0:65:33//LACTOBACILLUS CASEI//P55153  
 F-NT2RP3002173//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/2.4e-26:114:62//HOMO SAPIENS (HUMAN).//P39194  
 F-NT2RP3002181//MALE SPECIFIC SPERM PROTEIN MST84DD//0.25:31:38//DROSOPHILA MELANOGASTER (FRUIT FLY).//Q01645  
 50 F-NT2RP3002244//SPERM PROTAMINE P1 (CYSTEINE-RICH PROTAMINE)//0.069:16:62//OVIS ARIES (SHEEP), AND CAPRA HIRCUS (GOAT).//P04102  
 F-NT2RP3002248//MICROFIBRILLAR-ASSOCIATED PROTEIN 1 (ASSOCIATED MICROFIBRIL PROTEIN) (AMF)//0.0079:187:24//GALLUS GALLUS (CHICKEN).//P55080  
 55 F-NT2RP3002255//PROLINE-RICH PROTEIN MP-3 (FRAGMENT)//4.6e-10:168:34//MUS MUSCULUS (MOUSE).//P05143  
 F-NT2RP3002273//SCD6 PROTEIN//1.5e-11:160:33//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P45978

F-NT2RP3002276//PROBABLE E4 PROTEIN//0.91:54:29//HUMAN PAPILLOMAVIRUS TYPE 16//P06922  
 F-NT2RP3002303//HYPOTHETICAL 30.2 KD PROTEIN C4D7.04C IN CHROMOSOME I//1.7e-42:191:43//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//O14171  
 F-NT2RP3002304  
 5 F-NT2RP3002330//NNP-1 PROTEIN//0.52:140:18//MUS MUSCULUS (MOUSE)//P56183  
 F-NT2RP3002343//5E5 ANTIGEN//0.0056:189:30//RATTUS NORVEGICUS (RAT)//Q63003  
 F-NT2RP3002351//NAD-DEPENDENT METHYLENETETRAHYDROFOLATE DEHYDROGENASE (EC 1.5.1.15)  
 / METHENYLTETRAHYDROFOLATE CYCLOHYDROLASE (EC 3.5.4.9) MITOCHONDRIAL PRECURSOR//  
 1.0e-66:196:68//HOMO SAPIENS (HUMAN)//P13995  
 10 F-NT2RP3002352//PRESYNAPTIC PROTEIN SAP102 (SYNAPSE-ASSOCIATED PROTEIN 102) (NEUROEN-  
 DOCRINE-DLG) (NE-DLG)//0.79:173:27//HOMO SAPIENS (HUMAN)//Q92796  
 F-NT2RP3002377//PUTATIVE HELICASE YGR271W//1.0e-56:216:44//SACCHAROMYCES CEREVISIAE  
 (BAKER'S YEAST)//P53327  
 F-NT2RP3002399//MINICHROMOSOME MAINTENANCE PROTEIN 6//1.4e-19:136:31//SACCHAROMYCES  
 15 CEREVISIAE (BAKER'S YEAST)//P53091  
 F-NT2RP3002402//EBNA-6 NUCLEAR PROTEIN (EBNA-3C) (EBNA-4B)//0.74:107:36//EPSTEIN-BARR VIRUS  
 (STRAIN B95-8) (HUMAN HERPESVIRUS 4)//P03204  
 F-NT2RP3002455//DNAJ PROTEIN (FRAGMENT)//5.6e-06:57:42//AGROBACTERIUM TUMEFACIENS//  
 P50018  
 20 F-NT2RP3002484//HYPOTHETICAL 46.5 KD PROTEIN C12B10.04 IN CHROMOSOME I//0.00032:52:48//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q10438  
 F-NT2RP3002501//HYPOTHETICAL 34.9 KD PROTEIN IN FRE2-JEN1 INTERGENIC REGION//9.4e-42:209:  
 42//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P36007  
 F-NT2RP3002512//HYPOTHETICAL 37.4 KD PROTEIN IN GPM1-MCR1 INTERGENIC REGION//7.7e-32:162:  
 25 37//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P36059  
 F-NT2RP3002529//PUTATIVE VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN C2G11.03C//2.1e-45:  
 241:43//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09805  
 F-NT2RP3002545  
 F-NT2RP3002549//HYPOTHETICAL 26.6 KD PROTEIN T19C3.4 IN CHROMOSOME III//2.8e-41:161:52//  
 30 CAENORHABDITIS ELEGANS//Q10010  
 F-NT2RP3002566//IMMEDIATE-EARLY PROTEIN IE180//0.56:130:24//PSEUDORABIES VIRUS (STRAIN KA-  
 PLAN) (PRV)//P33479  
 F-NT2RP3002587  
 F-NT2RP3002590  
 35 F-NT2RP3002602//PROTEIN DISULFIDE ISOMERASE PRECURSOR (PDI) (EC 5.3.4.1) (THIOREDOXIN-RE-  
 LATED GLYCOPROTEIN 1)//0.00091:111:28//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P17967  
 F-NT2RP3002603//HYPOTHETICAL 14.2 KD PROTEIN IN BLAB 3'REGION//1.0:65:40//STREPTOMYCES CA-  
 CAO1//P33654  
 F-NT2RP3002628//DNAJ-LIKE PROTEIN SLR0093//2.4e-17:101:44//SYNECHOCYSTIS SP. (STRAIN PCC  
 6803)//P50027  
 40 F-NT2RP3002631//METALLOTHIONEIN-IB (MT-1B)//0.092:36:33//HOMO SAPIENS (HUMAN)//P07438  
 F-NT2RP3002650//DUALIN//3.0e-21:184:37//GALLUS GALLUS (CHICKEN)//Q90830  
 F-NT2RP3002659//PROCOLLAGEN ALPHA 2(I) CHAIN PRECURSOR//0.00016:223:33//HOMO SAPIENS (HU-  
 MAN)//P08123  
 45 F-NT2RP3002660//40S RIBOSOMAL PROTEIN S27A//0.16:72:31//CAENORHABDITIS ELEGANS//P37165  
 F-NT2RP3002663//OXYSTEROL-BINDING PROTEIN//5.4e-23:168:41//HOMO SAPIENS (HUMAN)//P22059  
 F-NT2RP3002671//HYPOTHETICAL 124.5 KD PROTEIN IN SKO1-RPL44A INTERGENIC REGION//6.0e-38:  
 203:43//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53893  
 F-NT2RP3002682//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 4L (EC 1.6.5.3)//0.25:63:31//ARTEMIA  
 50 SALINA (BRINE SHRIMP)//P19049  
 F-NT2RP3002687//HYPOTHETICAL 30.4 KD PROTEIN IN LEF3-IAP2 INTERGENIC REGION//0.029:60:36//  
 AUTOGRAPHA CALIFORNICA NUCLEAR POLYHEDROSIS VIRUS (ACMPNV)//P41469  
 F-NT2RP3002688//KINESIN-LIKE PROTEIN KIF1B//5.3e-61:130:88//MUS MUSCULUS (MOUSE)//Q60575  
 F-NT2RP3002701//SPERM MITOCHONDRIAL CAPSULE SELENOPROTEIN (MCS)//7.4e-05:109:33//MUS  
 55 MUSCULUS (MOUSE)//P15265  
 F-NT2RP3002713//PROBABLE ATP-DEPENDENT RNA HELICASE DDX10 (DEAH BOX PROTEIN 10)//0.77:  
 70:32//HOMO SAPIENS (HUMAN)//Q13206  
 F-NT2RP3002763//HYPOTHETICAL 11.3 KD PROTEIN C2C6.07 IN CHROMOSOME I//6.7e-11:66:40//

# EP 1 074 617 A2

SCHIZOSACCHAROMYCES POMBE (FISSION YEAST).//O14056  
F-NT2RP3002770//COLLAGEN ALPHA 1(IX) CHAIN (FRAGMENT).//0.33:87:34//MUS MUSCULUS (MOUSE).//  
Q05722  
5 F-NT2RP3002785//LETHAL(2)DENTICLELESS PROTEIN (DTL83 PROTEIN).//9.7e-36:187:39//DROSOPHILA  
MELANOGASTER (FRUIT FLY).//Q24371  
F-NT2RP3002799//!!!! ALU SUBFAMILY J WARNING ENTRY!!!!//5.6e-08:41:73//HOMO SAPIENS (HUMAN).//  
P39188  
F-NT2RP3002810//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!//0.0034:35:65//HOMO SAPIENS (HUMAN).//  
P39193  
10 F-NT2RP3002818//MAJOR CENTROMERE AUTOANTIGEN B (CENTROMERE PROTEIN B) (CENP-B).//3.2e-  
17:148:37//MUS MUSCULUS (MOUSE).//P27790  
F-NT2RP3002861//HYPOTHETICAL 70.2 KD PROTEIN IN GSH1-CHS6 INTERGENIC REGION.//1.7e-05:95:  
31//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P42951  
F-NT2RP3002869//TRYPSIN INHIBITOR II (BDTI-II).//0.97:23:39//BRYONIA DIOICA (RED BRYONY).//P11968  
15 F-NT2RP3002876//ACIDIC PROLINE-RICH PROTEIN PRECURSOR (CLONE PRP33).//0.00017:140:31//RAT-  
TUS NORVEGICUS (RAT).//P04474  
F-NT2RP3002877//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!//2.5e-06:55:60//HOMO SAPIENS (HUMAN).//  
P39194  
F-NT2RP3002909//P53-BINDING PROTEIN 53BP2 (BCL2-BINDING PROTEIN) (BBP).//4.6e-08:129:38//HOMO  
20 SAPIENS (HUMAN).//Q13625  
F-NT2RP3002911//HYPOTHETICAL PROTEIN C18.//0.99:26:50//SWINEPOX VIRUS (STRAIN KASZA) (SPV).//  
P32217  
F-NT2RP3002948//RING CANAL PROTEIN (KELCH PROTEIN).//1.2e-23:113:47//DROSOPHILA MELA-  
NOGASTER (FRUIT FLY).//Q04652  
25 F-NT2RP3002953//CADHERIN-RELATED TUMOR SUPPRESSOR PRECURSOR (FAT PROTEIN).//0.55:116:  
27//DROSOPHILA MELANOGASTER (FRUIT FLY).//P33450  
F-NT2RP3002955//HYPOTHETICAL 16.5 KD PROTEIN IN BLTR-SPOIIC INTERGENIC REGION.//0.87:67:37//  
BACILLUS SUBTILIS.//P54445  
F-NT2RP3002969//LONG-CHAIN-FATTY-ACID--COA LIGASE 4 (EC 6.2.1.3) (LONG-CHAIN ACYL-COA SYN-  
30 THETASE 4) (LACS 4).//6.7e-56:189:59//HOMO SAPIENS (HUMAN).//O60488  
F-NT2RP3002972//HYPOTHETICAL 73.0 KD PROTEIN IN CLA4-MID1 INTERGENIC REGION.//0.0028:147:27//  
SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P48566  
F-NT2RP3002978//PROBABLE E5 PROTEIN.//0.15:55:36//HUMAN PAPILLOMAVIRUS TYPE 51.//P26553  
F-NT2RP3002985//METALLOTHIONEIN (MT).//0.0031:49:42//PLEURONECTES PLATESSA (PLAICE).//  
35 P07216  
F-NT2RP3002988//NEUROGENIC LOCUS NOTCH HOMOLOG PROTEIN 1 PRECURSOR (MOTCH PRO-  
TEIN).//1.0:111:29//MUS MUSCULUS (MOUSE).//Q01705  
F-NT2RP3003008//HYPOTHETICAL 54.7 KD PROTEIN F37A4.1 IN CHROMOSOME III.//0.96:112:25//  
CAENORHABDITIS ELEGANS.//P41879  
40 F-NT2RP3003032  
F-NT2RP3003059//HYPOTHETICAL 52.3 KD PROTEIN C56F8.06C IN CHROMOSOME I PRECURSOR.//9.7e-  
27:216:37//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST).//Q10254  
F-NT2RP3003061//ANKYRIN R (ANKYRINS 2.1 AND 2.2) (ERYTHROCYTE ANKYRIN).//3.7e-25:167:34//HOMO  
SAPIENS (HUMAN).//P16157  
45 F-NT2RP3003068//SERYL-TRNA SYNTHETASE (EC 6.1.1.11) (SERINE--TRNA LIGASE) (SERRS) (FRAG-  
MENT).//0.074:82:39//SULFOLOBUS SOLFATARICUS.//O33780  
F-NT2RP3003071//VASODILATOR-STIMULATED PHOSPHOPROTEIN (VASP).//0.0085:128:30//HOMO SAPI-  
ENS (HUMAN).//P50552  
F-NT2RP3003078//SPERM ACROSOMAL PROTEIN FSA-ACR.1 PRECURSOR (FRAGMENT).//0.028:165:31//  
50 VULPES VULPES (RED FOX).//P53353  
F-NT2RP3003101//TETRACYCLINE RESISTANCE PROTEIN, CLASS C (TETA(C)).//1.0e-14:243:25//ES-  
CHERICHIA COLI.//P02981  
F-NT2RP3003121//SUPPRESSOR PROTEIN SRP40.//7.4e-05:143:27//SACCHAROMYCES CEREVISIAE  
(BAKER'S YEAST).//P32583  
55 F-NT2RP3003133//65 KD YES-ASSOCIATED PROTEIN (YAP65).//0.024:61:42//GALLUS GALLUS (CHICK-  
EN).//P46936  
F-NT2RP3003138//KINESIN-LIKE PROTEIN KIF4.//1.1e-118:151:93//MUS MUSCULUS (MOUSE).//P33174  
F-NT2RP3003139//ATP-BINDING CASSETTE TRANSPORTER ABC1.//1.0:70:30//SCHIZOSACCHAROMYCES

POMBE (FISSION YEAST)//Q92337  
 F-NT2RP3003145//MILK FAT GLOBULE-EGF FACTOR 8 PRECURSOR (MFG-E8) (HMFG) (BREAST EPITHELIAL ANTIGEN BA46) (MFGM)//2.0e-12:121:37//HOMO SAPIENS (HUMAN)//Q08431  
 F-NT2RP3003150  
 5 F-NT2RP3003157//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1)//4.0e-79:260:54//HOMO SAPIENS (HUMAN)//P51522  
 F-NT2RP3003185//TROPOMYOSIN//0.077:122:27//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q02088  
 F-NT2RP3003193//ZINC FINGER PROTEIN 135//7.2e-91:239:65//HOMO SAPIENS (HUMAN)//P52742  
 10 F-NT2RP3003197//HYPOTHETICAL 28.1 KD PROTEIN IN SIPU-PBPC INTERGENIC REGION//1.3e-07:117:34//BACILLUS SUBTILIS//P42966  
 F-NT2RP3003203//HYPOTHETICAL 33.5 KD PROTEIN C1D4.02C IN CHROMOSOME I//9.9e-23:132:39//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q10149  
 F-NT2RP3003204//RAS-LIKE PROTEIN RASB//0.92:103:27//DICTYOSTELIUM DISCOIDEUM (SLIME MOLD)//P32252  
 15 F-NT2RP3003210//VERY HYPOTHETICAL 13.2 KD PROTEIN IN PTC3-SAS3 INTERGENIC REGION//0.23:106:33//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38190  
 F-NT2RP3003212//SUPPRESSOR PROTEIN SRP40//0.019:171:23//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P32583  
 20 F-NT2RP3003230//CORONIN-LIKE PROTEIN P57//8.3e-74:183:73//BOS TAURUS (BOVINE)//Q92176  
 F-NT2RP3003242//STANNIocalcin PRECURSOR//1.4e-21:127:37//HOMO SAPIENS (HUMAN)//P52823  
 F-NT2RP3003251//DOWN REGULATORY PROTEIN OF INTERLEUKIN 2 RECEPTOR//3.1e-51:198:52//MUS MUSCULUS (MOUSE)//P15533  
 F-NT2RP3003264//E6 PROTEIN//1.0:31:41//HUMAN PAPILLOMAVIRUS TYPE 48//Q80920  
 25 F-NT2RP3003278//45.8 KD PROTEIN IN SHM1-MRPL37 INTERGENIC REGION//8.6e-07:80:33//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38344  
 F-NT2RP3003282//DYNAMIN 2 (DYNAMIN UDNM)//8.0e-108:226:88//MUS MUSCULUS (MOUSE)//P39054  
 F-NT2RP3003290//BIOH PROTEIN//0.0055:107:30//ESCHERICHIA COLI//P13001  
 F-NT2RP3003301//MITOCHONDRIAL LON PROTEASE HOMOLOG 1 PRECURSOR (EC 3.4.21.-)//1.3e-69:200:55//ARABIDOPSIS THALIANA (MOUSE-EAR CRESS)//O64948  
 30 F-NT2RP3003302//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//6.4e-69:102:66//HOMO SAPIENS (HUMAN)//P08547  
 F-NT2RP3003311//MYOSIN II HEAVY CHAIN, NON MUSCLE//0.18:225:26//ACANTHAMOEBA CASTELLANII (AMOEBE)//P05659  
 35 F-NT2RP3003313//SALIVARY PROLINE-RICH PROTEIN PO (ALLELE K) [CONTAINS: PEPTIDE P-D] (FRAGMENT)//0.0014:142:33//HOMO SAPIENS (HUMAN)//P10162  
 F-NT2RP3003327//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A)) (RO(SS-A)) (RO52)//8.8e-18:94:43//MUS MUSCULUS (MOUSE)//Q62191  
 F-NT2RP3003330//HYPOTHETICAL PROTEIN KIAA0176 (FRAGMENT)//1.3e-20:123:44//HOMO SAPIENS (HUMAN)//Q14681  
 40 F-NT2RP3003344//HYPOTHETICAL 8.8 KD PROTEIN IN ICDC-MINE INTERGENIC REGION//1.0:28:42//ESCHERICHIA COLI//P75991  
 F-NT2RP3003346//!!!! ALU SUBFAMILY SB2 WARNING ENTRY !!!!!//6.9e-26:74:78//HOMO SAPIENS (HUMAN)//P39191  
 45 F-NT2RP3003353//HYPOTHETICAL 52.4 KD PROTEIN R08D7.2 IN CHROMOSOME III//3.7e-10:118:33//CAENORHABDITIS ELEGANS//P30641  
 F-NT2RP3003377//PUTATIVE CUTICLE COLLAGEN F09G8.6//1.5e-05:102:37//CAENORHABDITIS ELEGANS//P34391  
 F-NT2RP3003384  
 50 F-NT2RP3003385//SKD3 PROTEIN//5.1e-83:210:69//MUS MUSCULUS (MOUSE)//Q60649  
 F-NT2RP3003403  
 F-NT2RP3003409//SOX-22 PROTEIN//0.042:173:28//HOMO SAPIENS (HUMAN)//O15370  
 F-NT2RP3003411//PROBABLE E3 PROTEIN//0.17:91:31//BOVINE PAPILLOMAVIRUS TYPE 2//P11300  
 F-NT2RP3003427//HOLOTRICIN 3 PRECURSOR//0.012:36:41//HOLOTRICHIA DIOMPHALIA//Q25055  
 55 F-NT2RP3003433  
 F-NT2RP3003464//HYPOTHETICAL 57.5 KD PROTEIN IN VMA7-RPS25A INTERGENIC REGION//0.0042:110:40//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53214  
 F-NT2RP3003490

F-NT2RP3003491//10 KD CHAPERONIN (PROTEIN CPN10) (PROTEIN GROES) (HEAT SHOCK 10 KD PRO-  
 TEIN).//0.99:49:34//LEPTOSPIRA INTERROGANS.//P35472  
 F-NT2RP3003500//SCY1 PROTEIN.//6.8e-14:192:26//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//  
 P53009  
 5 F-NT2RP3003543//COLLAGEN ALPHA 5(IV) CHAIN PRECURSOR.//0.0026:175:30//HOMO SAPIENS (HU-  
 MAN).//P29400  
 F-NT2RP3003552//ANNEXIN VII (SYNEXIN) (FRAGMENT).//0.19:21:47//BOS TAURUS (BOVINE).//P20072  
 F-NT2RP3003555//HYPOTHETICAL 32.6 KD PROTEIN IN MET30-PIG2 INTERGENIC REGION.//7.3e-27:159:  
 43//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P40529  
 10 F-NT2RP3003564//RNA REPLICASE POLYPROTEIN (EC 2.7.7.48).//1.0:99:30//TURNIP YELLOW MOSAIC VI-  
 RUS.//P10358  
 F-NT2RP3003572//PUTATIVE CUTICLE COLLAGEN F09G8.6.//0.33:128:32//CAENORHABDITIS ELEGANS.//  
 P34391  
 F-NT2RP3003576//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!//7.1e-28:58:77//HOMO SAPIENS (HUMAN).//  
 P39195  
 15 F-NT2RP3003589//RAS-RELATED PROTEIN RAB-10.//5.4e-54:114:94//CANIS FAMILIARIS (DOG).//P24409  
 F-NT2RP3003621//COAGULATION FACTOR XII PRECURSOR (EC 3.4.21.38) (HAGEMAN FACTOR) (HAF).//  
 2.0e-15:89:40//HOMO SAPIENS (HUMAN).//P00748  
 F-NT2RP3003625//MALE SPECIFIC SPERM PROTEIN MST84DD.//0.99:22:50//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY).//Q01645  
 20 F-NT2RP3003656//HOMEBOX PROTEIN OTX3 (ZOTX3).//0.30:111:25//BRACHYDANIO RERIO (ZE-  
 BRAFISH) (ZEBRA DANIO).//Q90267  
 F-NT2RP3003659//HYPOTHETICAL 49.8 KD PROTEIN IN RPL14B-GPA1 INTERGENIC REGION.//1.1e-20:127:  
 37//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P38755  
 25 F-NT2RP3003665//PENAEIDIN-3C PRECURSOR (P3-C).//0.34:52:34//PENAEUS VANNAMEI (PENOEID  
 SHRIMP) (EUROPEAN WHITE SHRIMP).//P81060  
 F-NT2RP3003672//T-CELL SURFACE GLYCOPROTEIN E2 PRECURSOR (E2 ANTIGEN) (CD99) (MIC2 PRO-  
 TEIN) (12E7).//8.7e-15:146:42//HOMO SAPIENS (HUMAN).//P14209  
 F-NT2RP3003680//HYPOTHETICAL 55.1 KD PROTEIN IN FAB1-PES4 INTERGENIC REGION.//4.3e-25:159:  
 40//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P43601  
 30 F-NT2RP3003686//NONHISTONE CHROMOSOMAL PROTEIN HMG-17.//0.067:63:31//GALLUS GALLUS  
 (CHICKEN).//P02314  
 F-NT2RP3003701//F-SPONDIN PRECURSOR.//1.8e-13:193:27//RATTUS NORVEGICUS (RAT).//P35446  
 F-NT2RP3003716//SLIT PROTEIN PRECURSOR.//1.3e-12:150:34//DROSOPHILA MELANOGASTER (FRUIT  
 35 FLY).//P24014  
 F-NT2RP3003726//INSERTION ELEMENT IS136 HYPOTHETICAL 16.9 KD PROTEIN).//0.47:109:28//AGRO-  
 BACTERIUM TUMEFACIENS.//P05680  
 F-NT2RP3003746//HYPOTHETICAL 7.7 KD PROTEIN IN FIXX 3'REGION (ORF1).//0.57:34:38//AZORHIZO-  
 BIUM CAULINODANS.//P26486  
 40 F-NT2RP3003795//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!//4.3e-10:40:90//HOMO SAPIENS (HUMAN).//  
 P39195  
 F-NT2RP3003799//MATING-TYPE PHEROMONE BBP1(3) PRECURSOR.//0.75:60:36//SCHIZOPHYLLUM  
 COMMUNE (BRACKET FUNGUS).//P78744  
 F-NT2RP3003800//PROTO-ONCOGENE TYROSINE-PROTEIN KINASE SRC (EC 2.7.1.112) (P60-SRC).//4.2e-  
 45 51:72:95//GALLUS GALLUS (CHICKEN).//P00523  
 F-NT2RP3003805//HYPOTHETICAL 32.1 KD PROTEIN IN DBP7-GCN3 INTERGENIC REGION.//0.00069:160:  
 25//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P36121  
 F-NT2RP3003809//COLLAGEN ALPHA 1(III) CHAIN (FRAGMENTS).//0.028:135:35//GALLUS GALLUS (CHICK-  
 EN).//P12105  
 50 F-NT2RP3003819//C-HORDEIN (PCP387) (FRAGMENT).//0.0026:90:33//HORDEUM VULGARE (BARLEY).//  
 P06472  
 F-NT2RP3003825//PHOSPHATIDYLCHOLINE TRANSFER PROTEIN (PC-TP).//5.6e-20:174:31//BOS TAURUS  
 (BOVINE).//P02720  
 F-NT2RP3003828//ADENYLATE CYCLASE, TYPE V (EC 4.6.1.1) (ATP PYROPHOSPHATE-LYASE) (CA(2+)-  
 55 INHIBITABLE ADENYLYL CYCLASE).//0.0017:111:38//CANIS FAMILIARIS (DOG).//P30803  
 F-NT2RP3003831//ENDONUCLEASE G PRECURSOR (EC 3.1.30.-) (ENDO G).//1.1e-37:187:42//MUS MUSCU-  
 LUS (MOUSE).//O08600  
 F-NT2RP3003833//HYPOTHETICAL 6.4 KD PROTEIN IN INTE-PIN INTERGENIC REGION.//1.0:38:39//ES-

CHERICHIA COLI.//P75979  
 F-NT2RP3003842  
 F-NT2RP3003846//RETINAL DEGENERATION B PROTEIN (PROBABLE CALCIUM TRANSPORTER RDGB)//  
 0.61:54:35//DROSOPHILA MELANOGASTER (FRUIT FLY)//P43125  
 5 F-NT2RP3003870//MALE SPECIFIC SPERM PROTEIN MST84DB.//0.83:51:37//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY)//Q01643  
 F-NT2RP3003876//PROTEIN TRANSPORT PROTEIN SEC2.//0.0017:151:27//SACCHAROMYCES CEREVI-  
 SIAE (BAKER'S YEAST)//P17065  
 F-NT2RP3003914//UDP-GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE PRECURSOR (EC 2.4.1.-)  
 10 (DUGT)//3.3e-23:76:64//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q09332  
 F-NT2RP3003918//VESICLE-ASSOCIATED MEMBRANE PROTEIN/SYNAPOBREVIN BINDING PROTEIN  
 (VAP-33)//5.5e-45:127:69//APLYSIA CALIFORNICA (CALIFORNIA SEA HARE)//Q16943  
 F-NT2RP3003932  
 F-NT2RP3003989//PREPROTEIN TRANSLOCASE SECE SUBUNIT.//0.96:46:32//THERMOTOGA MARITIMA.//  
 15 P35874  
 F-NT2RP3003992//NUCLEAR LOCALIZATION SEQUENCE BINDING PROTEIN (P67)//0.0011:170:26//SAC-  
 CHAROMYCES CEREVISIAE (BAKER'S YEAST)//P27476  
 F-NT2RP3004013//DOUBLE-STRANDED RNA-SPECIFIC EDITASE 1 (EC 3.5.-.-) (DSRNA ADENOSINE DEAM-  
 INASE) (RNA EDITING ENZYME 1).//3.6e-21:134:45//RATTUS NORVEGICUS (RAT)//P51400  
 20 F-NT2RP3004016//HYPOTHETICAL 24.1 KD PROTEIN IN LEF4-P33 INTERGENIC REGION.//0.00021:64:40//  
 AUTOGRAPHA CALIFORNICA NUCLEAR POLYHEDROSIS VIRUS (ACMPNV)//P41479  
 F-NT2RP3004041//SPERM PROTAMINE P1.//0.0028:43:46//ORNITHORHYNCHUS ANATINUS (DUCKBILL  
 PLATYPUS)//P35307  
 F-NT2RP3004051//MICROBIAL COLLAGENASE PRECURSOR (EC 3.4.24.3) (120 KD COLLAGENASE)//  
 25 0.0079:194:24//CLOSTRIDIUM PERFRINGENS.//P43153  
 F-NT2RP3004070//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/3.4e-11:51:72//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-NT2RP3004078//DNA BINDING PROTEIN RFX2.//2.7e-114:243:87//MUS MUSCULUS (MOUSE)//P48379  
 F-NT2RP3004093//HYPOTHETICAL 32.3 KD PROTEIN IN RHSE-NARV INTERGENIC REGION (ORFB)//8.0e-  
 13:111:41//ESCHERICHIA COLI.//P37757  
 30 F-NT2RP3004095//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/1.5e-17:72:65//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-NT2RP3004110//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/2.6e-10:51:72//HOMO SAPIENS (HUMAN)//  
 P39195  
 35 F-NT2RP3004125//ZINC FINGER PROTEIN 75.//1.1e-28:118:47//HOMO SAPIENS (HUMAN)//P51815  
 F-NT2RP3004145//AEROLYSIN REGULATORY PROTEIN.//0.012:45:33//AEROMONAS SOBRIA.//P09165  
 F-NT2RP3004148//METALLOTHIONEIN-I (MT-1)//0.055:18:50//COLUMBA LIVIA (DOMESTIC PIGEON)//  
 P15786  
 F-NT2RP3004155//UBIQUINONE BIOSYNTHESIS PROTEIN COQ7 HOMOLOG.//1.7e-82:178:89//RATTUS  
 40 NORVEGICUS (RAT)//Q63619  
 F-NT2RP3004189//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1.//1.7e-11:215:24//PODOSPORA AN-  
 SERINA.//Q00808  
 F-NT2RP3004206//CROOKED NECK PROTEIN.//3.8e-101:241:73//DROSOPHILA MELANOGASTER (FRUIT  
 FLY)//P17886  
 45 F-NT2RP3004207//CUTICLE COLLAGEN 12 PRECURSOR.//0.13:130:33//CAENORHABDITIS ELEGANS.//  
 P20630  
 F-NT2RP3004209//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 4 (EC 3.1.2.15) (UBIQUITIN THIOLESTE-  
 RASE 4) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 4) (DEUBIQUITINATING ENZYME 4) (UBIQ-  
 ITOUS NUCLEAR PROTEIN HOMOLOG).//6.5e-16:207:29//HOMO SAPIENS (HUMAN)//Q13107  
 50 F-NT2RP3004215//PROTEIN TRANSPORT PROTEIN SEC61 GAMMA SUBUNIT.//1.0:69:31//SACCHAROMY-  
 CES CEREVISIAE (BAKER'S YEAST).//P35179  
 F-NT2RP3004242//HYPOTHETICAL 30.2 KD PROTEIN ZK632.12 IN CHROMOSOME III.//1.1e-64:191:63//  
 CAENORHABDITIS ELEGANS.//P34657  
 F-NT2RP3004246//RING3 PROTEIN (KIAA9001).//0.060:101:28//HOMO SAPIENS (HUMAN)//P25440  
 55 F-NT2RP3004253//COLLAGEN ALPHA 1(I) CHAIN (FRAGMENTS).//1.1e-07:184:35//BOS TAURUS (BOVINE)//  
 P02453  
 F-NT2RP3004258//SUPPRESSOR PROTEIN SRP40.//4.9e-08:98:39//SACCHAROMYCES CEREVISIAE (BAK-  
 ER'S YEAST).//P32583

F-NT2RP3004262//DNAJ PROTEIN HOMOLOG 1 (HDJ-1) (HEAT SHOCK PROTEIN 40) (HSP40)//1.6e-63:210:  
 61//HOMO SAPIENS (HUMAN)//P25685  
 F-NT2RP3004282//HYPOTHETICAL PROTEIN F44G.1 IN CHROMOSOME II (FRAGMENT)//1.6e-29:177:38//  
 CAENORHABDITIS ELEGANS//P54073  
 5 F-NT2RP3004332//DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT (EC 2.7.7.6) (RPB1) (FRAG-  
 MENT)//0.030:118:36//CRICETULUS GRISEUS (CHINESE HAMSTER)//P11414  
 F-NT2RP3004334  
 F-NT2RP3004341//ALPHA-INTERNEXIN (ALPHA-INX)//0.91:110:26//MUS MUSCULUS (MOUSE)//P46660  
 F-NT2RP3004348//HYPOTHETICAL 105.3 KD PROTEIN C01G6.5 IN CHROMOSOME III//0.60:198:24//  
 10 CAENORHABDITIS ELEGANS//P46012  
 F-NT2RP3004349//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/1.0e-37:60:76//HOMO SAPIENS (HUMAN)//  
 P39193  
 F-NT2RP3004378//HYPOTHETICAL 18.8 KD PROTEIN IN GNTR-GGT INTERGENIC REGION (O162)//0.0026:  
 76:28//ESCHERICHIA COLI//P46854  
 15 F-NT2RP3004399//LEUCINE-RICH PRIMARY RESPONSE PROTEIN 1 (FOLLICLE-STIMULATING HORMONE  
 PRIMARY RESPONSE PROTEIN)//4.4e-109:212:96//HOMO SAPIENS (HUMAN)//Q92674  
 F-NT2RP3004424//JTV-1 PROTEIN//4.5e-18:60:70//HOMO SAPIENS (HUMAN)//Q13155 F-NT2RP3004428//  
 METALLOTHIONEIN-A (MTA)//0.0010:36:47//STRONGYLOCENTROTUS PURPURATUS (PURPLE SEA UR-  
 CHIN)//P04734  
 20 F-NT2RP3004451//MYOSIN IC HEAVY CHAIN//0.00072:113:34//ACANTHAMOEBA CASTELLANII (AMOE-  
 BA)//P10569  
 F-NT2RP3004454//VERPROLIN//3.3e-07:156:29//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//  
 P37370  
 F-NT2RP3004466//HYPOTHETICAL PROTEIN F-215//0.0013:125:32//HUMAN ADENOVIRUS TYPE 2//  
 25 P03291  
 F-NT2RP3004470//HYPOTHETICAL 15.4 KD PROTEIN C16C10.11 IN CHROMOSOME III//1.0:33:51//  
 CAENORHABDITIS ELEGANS//Q09254  
 F-NT2RP3004472//GERM CELL-LESS PROTEIN//7.3e-33:170:40//DROSOPHILA MELANOGASTER (FRUIT  
 FLY)//Q01820  
 30 F-NT2RP3004475//RHO-GAP HEMATOPOIETIC PROTEIN C1 (P115) (KIAA0131)//8.4e-54:214:46//HOMO SA-  
 PIENS (HUMAN)//P98171  
 F-NT2RP3004480//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS35//3.9e-47:199:49//SAC-  
 CHAROMYCES CEREVISIAE (BAKER'S YEAST)//P34110  
 F-NT2RP3004490//SKIN SECRETORY PROTEIN XP2 PRECURSOR (APEG PROTEIN)//0.0013:121:33//  
 35 XENOPUS LAEVIS (AFRICAN CLAWED FROG)//P17437  
 F-NT2RP3004498//HYPOTHETICAL 43.5 KD PROTEIN IN COTD-KDUD INTERGENIC REGION PRECUR-  
 SOR//0.066:87:35//BACILLUS SUBTILIS//P50840  
 F-NT2RP3004503//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/2.0e-34:102:69//HOMO SAPIENS (HU-  
 MAN)//P39194  
 40 F-NT2RP3004504//SUPPRESSOR PROTEIN SRP40//0.64:93:34//SACCHAROMYCES CEREVISIAE (BAK-  
 ER'S YEAST)//P32583  
 F-NT2RP3004507//MOB1 PROTEIN (MPS1 BINDER 1)//2.2e-16:90:42//SACCHAROMYCES CEREVISIAE  
 (BAKER'S YEAST)//P40484  
 F-NT2RP3004527  
 45 F-NT2RP3004534//S-PHASE ENTRY CYCLIN 6//0.38:148:22//SACCHAROMYCES CEREVISIAE (BAKER'S  
 YEAST)//P32943  
 F-NT2RP3004539//INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN 1 PRECURSOR (IGFBP-1) (IBP-1)  
 (IGF-BINDING PROTEIN 1)//0.38:89:38//RATTUS NORVEGICUS (RAT)//P21743  
 F-NT2RP3004544//CYTADHERENCE HIGH MOLECULAR WEIGHT PROTEIN 2 (CYTADHERENCE ACCESSO-  
 50 RY PROTEIN 2)//0.0024:200:24//MYCOPLASMA PNEUMONIAE//P75471  
 F-NT2RP3004566//GASTRULA ZINC FINGER PROTEIN XLCGF17.1 (FRAGMENT)//4.6e-25:126:43//XENO-  
 PUS LAEVIS (AFRICAN CLAWED FROG)//P18713  
 F-NT2RP3004569//ANKYRIN//8.3e-07:150:28//MUS MUSCULUS (MOUSE)//Q02357  
 F-NT2RP3004572//TRANSCRIPTION INITIATION FACTOR TFIID 150 KD SUBUNIT (TAFII-150) (TAFII150)//  
 55 1.6e-70:247:54//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q24325  
 F-NT2RP3004578//CENTROMERIC PROTEIN E (CENP-E PROTEIN)//1.5e-10:210:26//HOMO SAPIENS (HU-  
 MAN)//Q02224  
 F-NT2RP3004594//P54 PROTEIN PRECURSOR//0.0044:230:24//ENTEROCOCCUS FAECIUM (STREPTO-

COCCUS FAECIUM)//P13692  
 F-NT2RP3004617//DOWN REGULATORY PROTEIN OF INTERLEUKIN 2 RECEPTOR.//1.5e-14:113:34//MUS  
 MUSCULUS (MOUSE)//P15533  
 F-NT2RP3004618//HYPOTHETICAL 115.4 KD PROTEIN ZK757.3 IN CHROMOSOME III.//4.5e-08:149:30//  
 5 CAENORHABDITIS ELEGANS//P34681  
 F-NT2RP3004669//ETHANOLAMINE KINASE (EC 2.7.1.82) (EASILY SHOCKED PROTEIN).//1.0e-24:75:48//  
 DROSOPHILA MELANOGASTER (FRUIT FLY)//P54352  
 F-NT2RP3004670//CUTICLE COLLAGEN 21/0.00090:159:29//CAENORHABDITIS ELEGANS//P17656  
 F-NT2RP4000008//CHLORINE CHANNEL PROTEIN P64.//4.0e-79:243:62//BOS TAURUS (BOVINE)//P35526  
 10 F-NT2RP4000023  
 F-NT2RP4000035//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!//3.6e-06:46:67//HOMO SAPIENS (HUMAN)//  
 P39194  
 F-NT2RP4000049//CALDESMON (CDM).//0.41:63:34//GALLUS GALLUS (CHICKEN)//P12957  
 F-NT2RP4000051//DUALIN.//2.3e-23:195:37//GALLUS GALLUS (CHICKEN)//Q90830  
 15 F-NT2RP4000078//RING CANAL PROTEIN (KELCH PROTEIN).//1.2e-24:182:31//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY)//Q04652  
 F-NT2RP4000102//XPAR7 PROTEIN.//1.0:54:33//BACILLUS LICHENIFORMIS//Q99166  
 F-NT2RP4000109//SLIT PROTEIN PRECURSOR.//1.9e-60:230:46//DROSOPHILA MELANOGASTER (FRUIT  
 FLY)//P24014  
 20 F-NT2RP4000111//CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR, 100 KD SUBUNIT (CPSF 100  
 KD SUBUNIT).//1.4e-91:157:100//BOS TAURUS (BOVINE)//Q10568  
 F-NT2RP4000129//5E5 ANTIGEN.//0.00072:124:37//RATTUS NORVEGICUS (RAT)//Q63003  
 F-NT2RP4000147//ZINC FINGER PROTEIN GCS1.//1.5e-26:119:43//SACCHAROMYCES CEREVISIAE (BAK-  
 ER'S YEAST)//P35197  
 25 F-NT2RP4000150  
 F-NT2RP4000151//HYPOTHETICAL 31.0 KD PROTEIN R107.2 IN CHROMOSOME III.//4.2e-31:180:47//  
 CAENORHABDITIS ELEGANS //P32740  
 F-NT2RP4000159//SPORE COAT PROTEIN SP96.//0.84:107:28//DICTYOSTELIUM DISCOIDEUM (SLIME  
 MOLD).//P14328  
 30 F-NT2RP4000167//HYPOTHETICAL 98.1 KD PROTEIN IN SPX19-GCR2 INTERGENIC REGION.//2.4e-08:133:  
 32//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P40164  
 F-NT2RP4000185//TRANS-ACTING TRANSCRIPTIONAL PROTEIN ICP0 (VMW118 PROTEIN).//5.4e-05:143:  
 32//HERBES SIMPLEX VIRUS (TYPE 2 / STRAIN HG52).//P28284  
 F-NT2RP4000210//PAIRED AMPHIPATHIC HELIX PROTEIN.//1.8e-40:258:35//SACCHAROMYCES CEREVI-  
 35 SIAE (BAKER'S YEAST).//P22579  
 F-NT2RP4000212//ATRIAL GLAND-SPECIFIC ANTIGEN PRECURSOR (AGSA).//1.4e-20:104:40//APLYSIA  
 CALIFORNICA (CALIFORNIA SEA HARE)//P15287  
 F-NT2RP4000214//FERREDOXIN.//1.0:19:42//MOORELLA THERMOACETICA (CLOSTRIDIUM THERMOACE-  
 TICUM).//P00203  
 40 F-NT2RP4000218//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!//1.7e-15:48:60//HOMO SAPIENS (HUMAN).//  
 P39188  
 F-NT2RP4000243//DUALIN.//5.8e-78:192:70//GALLUS GALLUS (CHICKEN).//Q90830  
 F-NT2RP4000246//NPC DERIVED PROLINE RICH PROTEIN 1 (NDPP-1).//3.1e-83:207:76//MUS MUSCULUS  
 (MOUSE).//Q03173  
 45 F-NT2RP4000259//GLUTATHIONE PEROXIDASE 2 (EC 1.11.1.9).//5.5e-29:153:43//HELIANTHUS ANNUUS  
 (COMMON SUNFLOWER).//O23968  
 F-NT2RP4000263//ANNEXIN VII (SYNEXIN) (FRAGMENT).//0.98:42:40//BOS TAURUS (BOVINE).//P20072  
 F-NT2RP4000290//HYPOTHETICAL 116.5 KD PROTEIN C20G8.09C IN CHROMOSOME I.//3.5e-71:209:66//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST).//P87115  
 50 F-NT2RP4000312//RAS SUPPRESSOR PROTEIN 1 (RSU-1) (RSP-1 PROTEIN) (RSP-1).//8.9e-22:166:37//HO-  
 MO SAPIENS (HUMAN).//Q15404  
 F-NT2RP4000321//VERPROLIN.//0.00018:260:28//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//  
 P37370  
 F-NT2RP4000323//ANTHOPLEURIN B (TOXIN AP-B).//0.42:15:46//ANTHOPLEURA XANTHOGRAMMICA (GI-  
 55 ANT GREEN SEA ANEMONE).//P01531  
 F-NT2RP4000355//HYPOTHETICAL 90.9 KD PROTEIN IN GCN20-CMK1 INTERGENIC REGION.//0.75:125:29//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P43596  
 F-NT2RP4000360//ACIDIC PROLINE-RICH PROTEIN PRECURSOR (CLONE PRP25) (FRAGMENT).//0.27:92:



33//RATTUS NORVEGICUS (RAT)//P10164  
 F-NT2RP4000367//HYPOTHETICAL 7.3 KD PROTEIN IN 100 KD PROTEIN REGION.//0.99:52:32//HUMAN AD-  
 ENOVIRUS TYPE 41//P23691  
 5 F-NT2RP4000370//MITOCHONDRIAL PEPTIDE CHAIN RELEASE FACTOR 1 PRECURSOR (MRF-1)//4.1e-40:  
 163:52//HOMO SAPIENS (HUMAN)//O75570  
 F-NT2RP4000376//PHOSPHOLIPASE A-2-ACTIVATING PROTEIN (PLAP)//4.2e-59:125:80//RATTUS NOR-  
 VEGICUS (RAT)//P54319  
 F-NT2RP4000381//NEUROFILAMENT TRIPLET H PROTEIN (200 KD NEUROFILAMENT PROTEIN) (NF-H)//  
 0.00058:194:30//MUS MUSCULUS (MOUSE)//P19246  
 10 F-NT2RP4000398//ZINC FINGER PROTEIN 184 (FRAGMENT)//1.2e-45:153:39//HOMO SAPIENS (HUMAN)//  
 Q99676  
 F-NT2RP4000415//HYPOTHETICAL 118.4 KD PROTEIN IN BAT2-DAL5 INTERGENIC REGION PRECURSOR//  
 0.00066:201:27//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P47179  
 F-NT2RP4000417//PROCESSING ALPHA-1,2-MANNOSIDASE (EC 3.2.1.-) (ALPHA-1,2-MANNOSIDASE 1B)//  
 15 1.8e-25:196:40//MUS MUSCULUS (MOUSE)//P39098  
 F-NT2RP4000424//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/1.0e-15:72:61//HOMO SAPIENS (HUMAN)//  
 P39195  
 F-NT2RP4000448//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/7.0e-23:63:82//HOMO SAPIENS (HUMAN)//  
 P39192  
 20 F-NT2RP4000449//REGULATORY PROTEIN SIR2 (SILENT INFORMATION REGULATOR 2)//1.3e-41:102:45//  
 KLUYVEROMYCES LACTIS (YEAST)//P33294  
 F-NT2RP4000455//HOMEBOX PROTEIN SAX-1 (CHOX-3) (FRAGMENT)//0.00014:92:30//GALLUS GALLUS  
 (CHICKEN)//P19601  
 F-NT2RP4000457//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 7 (EC 3.1.2.15) (UBIQUITIN THIOLESTE-  
 25 RASE 7) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 7) (DEUBIQUITINATING ENZYME 7) (HERPESVI-  
 RUS ASSOCIATED UBIQUITIN-SPECIFIC PROTEASE)//1.0e-29:218:38//HOMO SAPIENS (HUMAN)//Q93009  
 F-NT2RP4000480//TRANSCRIPTIONAL REGULATORY PROTEIN ALGP (ALGINATE REGULATORY PROTEIN  
 ALGR3)//0.049:117:29//PSEUDOMONAS AERUGINOSA//P15276  
 F-NT2RP4000481//HYPOTHETICAL HELICASE C28H8.3 IN CHROMOSOME III//2.3e-05:152:23//  
 30 CAENORHABDITIS ELEGANS//Q09475  
 F-NT2RP4000498//MOB1 PROTEIN (MPS1 BINDER 1)//2.3e-48:172:52//SACCHAROMYCES CEREVISIAE  
 (BAKER'S YEAST)//P40484  
 F-NT2RP4000500//HYPOTHETICAL 83.6 KD PROTEIN R05D3.2 IN CHROMOSOME III//1.3e-23:165:35//  
 CAENORHABDITIS ELEGANS//P34535  
 35 F-NT2RP4000515//PHOSPHODIESTERASE I (EC 3.1.4.1) (5'-EXONUCLEASE) (5'-NUCLEOTIDE PHOS-  
 PHODIESTERASE) (FRAGMENT)//1.0:48:37//BOS TAURUS (BOVINE)//P15396  
 F-NT2RP4000517//METALLOTHIONEIN-LIKE PROTEIN TYPE 2//1.0:41:36//VICIA FABA (BROAD BEAN)//  
 Q41657  
 F-NT2RP4000518//ATP-DEPENDENT RNA HELICASE ROK1//1.1e-11:93:36//SACCHAROMYCES CEREVI-  
 40 SIAE (BAKER'S YEAST)//P45818  
 F-NT2RP4000519//COLLAGEN ALPHA 1(XII) CHAIN (FRAGMENTS)//0.68:55:40//BOS TAURUS (BOVINE)//  
 P25508  
 F-NT2RP4000524//IGA FC RECEPTOR PRECURSOR (BETA ANTIGEN) (B ANTIGEN)//0.37:187:24//STREP-  
 TOCOCUS AGALACTIAE//P27951  
 45 F-NT2RP4000528//NPL4 PROTEIN//2.1e-45:305:36//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//  
 P33755  
 F-NT2RP4000541//HOMEBOX PROTEIN CHOX-1 (FRAGMENT)//0.23:28:50//GALLUS GALLUS (CHICK-  
 EN)//P13544  
 F-NT2RP4000556//HYPOTHETICAL 34.1 KD PROTEIN C40H1.4 IN CHROMOSOME III//4.3e-14:174:34//  
 50 CAENORHABDITIS ELEGANS//Q03574  
 F-NT2RP4000560//HYPOTHETICAL 68.7 KD PROTEIN ZK757.1 IN CHROMOSOME III//2.1e-19:155:36//  
 CAENORHABDITIS ELEGANS//P34679  
 F-NT2RP4000588//HYPOTHETICAL PROTEIN E-115//0.014:64:35//HUMAN ADENOVIRUS TYPE 2//P03290  
 F-NT2RP4000614//SPLICING FACTOR, ARGININE/SERINE-RICH 2 (SPLICING FACTOR SC35) (SC-35)  
 55 (SPLICING COMPONENT, 35 KD) (PR264 PROTEIN)//2.7e-27:188:44//GALLUS GALLUS (CHICKEN)//P30352  
 F-NT2RP4000638//EARLY NODULIN 55-1 PRECURSOR (N-55-1) (FRAGMENT)//0.55:40:40//GLYCINE MAX  
 (SOYBEAN)//Q05544  
 F-NT2RP4000648//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/2.4e-06:31:74//HOMO SAPIENS (HUMAN)//

P39188  
 F-NT2RP46000657//HYPOTHETICAL PROTEIN MJ1065//2.5e-40:237:40//METHANOCOCCUS JANNAS-  
 CHII//Q58465  
 F-NT2RP4000704  
 5 F-NT2RP4000713//HYPOTHETICAL 35.5 KD PROTEIN IN TRANSPOSON TN4556//4.0e-07:134:40//STREP-  
 TOMYCES FRADIAE//P20186  
 F-NT2RP4000724//RETROVIRUS-RELATED POL POLYPROTEIN [CONTAINS: REVERSE TRANSCRIPTASE  
 (EC 2.7.7.49); ENDONUCLEASE]//1.1e-62:109:88//HOMO SAPIENS (HUMAN)//P10266  
 F-NT2RP4000728//A-AGGLUTININ ATTACHMENT SUBUNIT PRECURSOR//0.0033:190:25//SACCHAROMY-  
 10 CES CEREVISIAE (BAKER'S YEAST)//P32323  
 F-NT2RP4000737//PTB-ASSOCIATED SPLICING FACTOR (PSF)//1.0e-05:114:34//HOMO SAPIENS (HU-  
 MAN)//P23246  
 F-NT2RP4000739//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//1.0:20:50//ANAS PLATYRHYNCHOS  
 (DOMESTIC DUCK)//P50655  
 15 F-NT2RP4000781//HYPOTHETICAL 27.7 KD PROTEIN IN CPT1-SPC98 INTERGENIC REGION//0.0013:67:  
 31//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53915  
 F-NT2RP4000787//POLLEN SPECIFIC PROTEIN SF3//1.3e-13:79:39//HELIANTHUS ANNUUS (COMMON  
 SUNFLOWER)//P29675  
 F-NT2RP4000817//SUPPRESSOR PROTEIN SRP40//1.3e-05:255:21//SACCHAROMYCES CEREVISIAE  
 20 (BAKER'S YEAST)//P32583  
 F-NT2RP4000833  
 F-NT2RP4000837//MALE SPECIFIC SPERM PROTEIN MST54DB//0.18:38:44//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY)//Q01643  
 F-NT2RP4000839//TRANSCRIPTION INITIATION FACTOR TFIID 90 KD SUBUNIT (TAFII-90)//0.026:38:44//  
 25 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38129  
 F-NT2RP4000855//AMINOPEPTIDASE B (EC 3.4.11.6) (ARGINYL AMINOPEPTIDASE) (ARGININE AMI-  
 NOPEPTIDASE) (CYTOSOL AMINOPEPTIDASE IV) (AP-B)//2.8e-64:229:53//RATTUS NORVEGICUS (RAT)//  
 O09175  
 F-NT2RP4000865//ZINC FINGER PROTEIN ZFP-36 (FRAGMENT)//3.6e-84:174:54//HOMO SAPIENS (HU-  
 30 MAN)//P16415  
 F-NT2RP4000878//MYELOID UPREGULATED PROTEIN//8.2e-88:227:74//MUS MUSCULUS (MOUSE)//  
 O35682  
 F-NT2RP4000879//UBIQUITIN-ACTIVATING ENZYME E1 (A1S9 PROTEIN)//9.1e-55:268:43//HOMO SAPIENS  
 (HUMAN)//P22314  
 35 F-NT2RP4000907//BDNF / NT-3 GROWTH FACTORS RECEPTOR PRECURSOR (EC 2.7.1.112) (TRKB TYRO-  
 SINE KINASE) (GP145-TRKB) (TRK-B)//5.4e-10:220:25//HOMO SAPIENS (HUMAN)//Q16620  
 F-NT2RP4000915//60S ACIDIC RIBOSOMAL PROTEIN P2 (FRAGMENT)//0.46:23:60//ARABIDOPSIS THAL-  
 IANA (MOUSE-EAR CRESS)//P51407  
 F-NT2RP4000918//METHYL-ACCEPTING CHEMOTAXIS PROTEIN TLPB//0.00010:148:32//BACILLUS SUBTI-  
 40 LIS//P39217  
 F-NT2RP4000925//FIBROMODULIN PRECURSOR (FM) (COLLAGEN-BINDING 59 KD PROTEIN)//3.5e-27:  
 220:36//HOMO SAPIENS (HUMAN)//Q06828  
 F-NT2RP4000927//TRANS-ACTING TRANSCRIPTIONAL PROTEIN ICP0 (P135 PROTEIN) (IER 2.9/ER2.6)//  
 0.64:75:37//BOVINE HERPESVIRUS TYPE 1 (STRAIN JURA)//P29128  
 45 F-NT2RP4000928//PHOSPHATIDATE CYTIDYLYLTRANSFERASE (EC 2.7.7.41) (CDP-DIGLYCERIDE SYN-  
 THETASE) (CDP-DIGLYCERIDE PYROPHOSPHORYLASE) (CDP-DIACYLGLYCEROL SYNTHASE) (CDS)  
 (CTP:PHOSPHATIDATE CYTIDYLYLTRANSFERASE) (CDP-DAG SYNTHASE)//3.1e-104:263:66//HOMO SA-  
 PIENS (HUMAN)//Q92903  
 F-NT2RP4000929//HYPOTHETICAL 22.2 KD PROTEIN IN NSR1-TIF4631 INTERGENIC REGION//0.93:107:  
 28//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53288  
 50 F-NT2RP4000955//PUTATIVE CUTICLE COLLAGEN F09G8.6//2.0e-05:102:37//CAENORHABDITIS ELE-  
 GANS//P34391  
 F-NT2RP4000973//HYPOTHETICAL 48.6 KD PROTEIN IN BET1-PAN1 INTERGENIC REGION//2.3e-17:78:56//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40564  
 55 F-NT2RP4000975//SALIVARY PROLINE-RICH PROTEIN PO (ALLELE K) [CONTAINS: PEPTIDE P-D] (FRAG-  
 MENT)//0.0041:142:33//HOMO SAPIENS (HUMAN)//P10162  
 F-NT2RP4000979//HYPOTHETICAL 14.5 KD PROTEIN//0.77:106:33//VACCINIA VIRUS (STRAIN COPENHA-  
 GEN)//P20517

F-NT2RP4000984//HYPOTHETICAL 124.8 KD PROTEIN C29E4.4 IN CHROMOSOME III.//0.90:94:25//  
 CAENORHABDITIS ELEGANS //P34343  
 F-NT2RP4000989//ANTHOPLEURIN B (TOXIN AP-B)//0.76:41:41//ANTHOPLEURA XANTHOGRAMMICA (GI-  
 ANT GREEN SEA ANEMONE)//P01531  
 5 F-NT2RP4000996//PROTEIN Q300.//0.00024:41:53//MUS MUSCULUS (MOUSE)//Q02722  
 F-NT2RP4000997//DNA-DIRECTED RNA POLYMERASE I 135 KD POLYPEPTIDE (EC 2.7.7.6) (RNA POLYMER-  
 ASE I SUBUNIT 2) (RPA135) (RNA POLYMERASE I 127 KD SUBUNIT)//8.7e-115:261:82//RATTUS NORVEGI-  
 CUS (RAT)//O54888  
 F-NT2RP4001004//EC PROTEIN HOMOLOG 2 (FRAGMENT)//0.50:61:34//ARABIDOPSIS THALIANA  
 10 (MOUSE-EAR CRESS)//Q42377  
 F-NT2RP4001006//HYPOTHETICAL 43.5 KD PROTEIN IN COTD-KDUD INTERGENIC REGION PRECUR-  
 SOR.//0.010:152:29//BACILLUS SUBTILIS //P50840  
 F-NT2RP4001010//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSI-  
 DASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE)//9.9e-05:247:25//SACCHAROMYCES CEREVISIAE  
 15 (BAKER'S YEAST)//P08640  
 F-NT2RP4001029//PROTEIN GRAINY-HEAD (DNA-BINDING PROTEIN ELF-1) (ELEMENT I-BINDING ACTIV-  
 ITY) (TRANSCRIPTION FACTOR NTF-1)//1.1e-14:175:31//DROSOPHILA MELANOGASTER (FRUIT FLY)//  
 P13002  
 F-NT2RP4001041//PROBABLE LEUCYL-TRNA SYNTHETASE (EC 6.1.1.4) (LEUCINE--TRNA LIGASE)  
 20 (LEURS)//1.5e-74:272:55//CAENORHABDITIS ELEGANS.//Q09996  
 F-NT2RP4001057//HYPOTHETICAL 62.2 KD PROTEIN ZK652.6 IN CHROMOSOME III.//0.0064:76:38//  
 CAENORHABDITIS ELEGANS //P34664  
 F-NT2RP4001064//DUALIN.//2.5e-24:199:38//GALLUS GALLUS (CHICKEN)//Q90830  
 F-NT2RP4001078//TRANSCRIPTION INITIATION FACTOR TFIID 135 KD SUBUNIT (TAFII-135) (TAFII135)  
 25 (TAFII-130) (TAFII130)//0.11:139:38//HOMO SAPIENS (HUMAN)//O00268  
 F-NT2RP4001079//CALCIUM-TRANSPORTING ATPASE 1 (EC 3.6.1.38) (GOLGI CA2+-ATPASE)//1.5e-22:242:  
 31//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P13586  
 F-NT2RP4001080//POLYPYRIMIDINE TRACT-BINDING PROTEIN (PTB) (HETEROGENEOUS NUCLEAR RI-  
 BONUCLEOPROTEIN I) (HNRNP I)//1.7e-82:178:69//SUS SCROFA (PIG)//Q29099  
 30 F-NT2RP4001086//LEUCINE-RICH ACIDIC NUCLEAR PROTEIN.//0.00039:141:26//RATTUS NORVEGICUS  
 (RAT)//P49911  
 F-NT2RP4001095//DOUBLE-STRANDED RNA-SPECIFIC EDITASE 1 (EC 3.5.-.-) (DSRNA ADENOSINE DEAM-  
 INASE) (RNA EDITING ENZYME 1)//9.9e-07:79:43//HOMO SAPIENS (HUMAN)//P78563  
 F-NT2RP4001100//HYPOTHETICAL 74.0 KD PROTEIN IN CAJ1-HOM3 INTERGENIC REGION.//4.4e-16:207:  
 35 35//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40032  
 F-NT2RP4001117//PROTEIN TRANSPORT PROTEIN SEC61 ALPHA SUBUNIT.//8.1e-115:224:99//RATTUS  
 NORVEGICUS (RAT)//P38378  
 F-NT2RP4001122//TIPD PROTEIN.//7.5e-11:129:31//DICTYOSTELIUM DISCOIDEUM (SLIME MOLD)//O15736  
 F-NT2RP4001126//TRICHOHYALIN.//1.4e-19:257:28//OVIS ARIES (SHEEP)//P22793  
 40 F-NT2RP4001138//PUTATIVE F420-DEPENDENT NADP REDUCTASE (EC 1.-.-.-)//0.00010:204:25//METH-  
 ANOCOCCUS JANNASCHII.//Q58896  
 F-NT2RP4001143//HYPOTHETICAL 52.9 KD PROTEIN IN SAP155-YMR31 INTERGENIC REGION.//4.5e-34:  
 168:44//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P43616  
 F-NT2RP4001148//SOF1 PROTEIN.//2.4e-41:158:41//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//  
 45 P33750  
 F-NT2RP4001149//SULFATED SURFACE GLYCOPROTEIN 185 (SSG 185).//1.3e-08:106:41//VOLVOX CART-  
 ERI.//P21997  
 F-NT2RP4001150//NG-CAM RELATED CELL ADHESION MOLECULE PRECURSOR (NR-CAM) (BRAVO).//  
 3.6e-24:194:32//GALLUS GALLUS (CHICKEN)//P35331  
 50 F-NT2RP4001159//MEROZOITE SURFACE ANTIGEN 2 PRECURSOR (MSA-2)//0.0056:117:25//PLASMODI-  
 UM FALCIPARUM (ISOLATE K1 / THAILAND)//Q03643  
 F-NT2RP4001174//NON-GREEN PLASTID TRIOSE PHOSPHATE TRANSLOCATOR PRECURSOR (CTPT).//  
 5.9e-24:184:34//BRASSICA OLERACEA (CAULIFLOWER)//P52178  
 F-NT2RP4001206//MEROZOITE SURFACE ANTIGEN 2 PRECURSOR (MSA-2)//0.0029:117:26//PLASMODI-  
 UM FALCIPARUM (ISOLATE K1 / THAILAND)//Q03643  
 55 F-NT2RP4001207//CHROMOSOME SEGREGATION PROTEIN CSE1.//1.0e-07:144:28//SACCHAROMYCES  
 CEREVISIAE (BAKER'S YEAST)//P33307  
 F-NT2RP4001210//DERMORPHIN 1 PRECURSOR [CONTAINS: DELTORPHIN (DERMENKEPHALIN); DER-

MORPHIN].//0.019:130:30//PHYLLOMEDUSA SAUVAGEI (SAUVAGE'S LEAF FROG).//P05422  
 F-NT2RP4001213//ZINC FINGER PROTEIN 177.//3.2e-28:176:39//HOMO SAPIENS (HUMAN).//Q13360  
 F-NT2RP4001219//DISULFIDE ISOMERASE MPD1 PRECURSOR (EC 5.3.4.1).//2.4e-13:108:37//SACCHARO-  
 MYCES CEREVISIAE (BAKER'S YEAST).//Q12404  
 5 F-NT2RP4001228//RING CANAL PROTEIN (KELCH PROTEIN).//2.7e-56:242:40//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY).//Q04652  
 F-NT2RP4001235//REGULATORY PROTEIN E2.//0.0080:100:38//HUMAN PAPILLOMAVIRUS TYPE 25.//  
 P36787  
 F-NT2RP4001256//CUTICLE COLLAGEN 1.//0.014:104:31//CAENORHABDITIS ELEGANS.//P08124  
 10 F-NT2RP4001260//BACTERIOCIN MICROCIN B17 PRECURSOR (MCB17).//0.00077:16:68//ESCHERICHIA  
 COLI.//P05834  
 F-NT2RP4001274//HISTONE H1.M6.1.//0.98:65:35//TRYPANOSOMA CRUZI.//P40273  
 F-NT2RP4001276//ELAV PROTEIN.//0.00054:134:33//DROSOPHILA VIRILIS (FRUIT FLY).//P23241  
 F-NT2RP4001313//EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN).//  
 15 0.014:71:35//NICOTIANA TABACUM (COMMON TOBACCO).//P13983  
 F-NT2RP4001315//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS9.//2.3e-12:190:27//SAC-  
 CHAROMYCES CEREVISIAE (BAKER'S YEAST).//P54787  
 F-NT2RP4001336//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1.//0.0037:108:31//PODOSPORA AN-  
 SERINA.//Q00808  
 20 F-NT2RP4001339//HYPOTHETICAL PROTEIN MJ0810.//1.2e-09:150:34//METHANOCOCCUS JANNASCHII.//  
 Q58220  
 F-NT2RP4001343//HYPOTHETICAL 85.2 KD PROTEIN F52C9.3 IN CHROMOSOME III.//1.4e-18:244:27//  
 CAENORHABDITIS ELEGANS.//Q10123  
 F-NT2RP4001345//PHOSPHATIDYLCHOLINE-STEROL ACYLTRANSFERASE PRECURSOR (EC 2.3.1.43)  
 25 (LECITHIN-CHOLESTEROL ACYLTRANSFERASE) (PHOSPHOLIPID-CHOLESTEROL ACYLTRANSFERASE)  
 (FRAGMENT).//4.0e-49:212:50//GALLUS GALLUS (CHICKEN).//P53760  
 F-NT2RP4001351//INTRACELLULAR PROTEIN TRANSPORT PROTEIN USO1.//5.7e-11:229:26//SACCHARO-  
 MYCES CEREVISIAE (BAKER'S YEAST).//P25386  
 F-NT2RP4001353//RAS SUPPRESSOR PROTEIN 1 (RSU-1) (RSP-1 PROTEIN) (RSP-1).//0.00088:84:28//HO-  
 30 MO SAPIENS (HUMAN).//Q15404  
 F-NT2RP4001372//IRREGULAR CHIASM C-ROUGHEST PROTEIN PRECURSOR (IRREC PROTEIN).//1.0e-  
 22:222:30//DROSOPHILA MELANOGASTER (FRUIT FLY).//Q08180  
 F-NT2RP4001373//OV-17 ANTIGEN PRECURSOR (IMMUNODOMINANT HYPODERMAL ANTIGEN).//0.51:92:  
 26//ONCHOCERCA VOLVULUS.//P36991  
 35 F-NT2RP4001375//NON-RECEPTOR TYROSINE KINASE SPORE LYSIS A (EC 2.7.1.112) (TYROSINE- PRO-  
 TEIN KINASE 1).//3.5e-13:146:35//DICTYOSTELIUM DISCOIDEUM (SLIME MOLD).//P18160  
 F-NT2RP4001379//HYPOTHETICAL 64.2 KD PROTEIN IN SLT2-PUT2 INTERGENIC REGION.//1.2e-14:207:  
 28//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P38767  
 F-NT2RP4001389//DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT (EC 2.7.7.6) (RPB1) (FRAG-  
 40 MENT).//0.073:112:33//CRICETULUS GRISEUS (CHINESE HAMSTER).//P11414  
 F-NT2RP4001407//CENTROMERIC PROTEIN E (CENP-E PROTEIN).//0.0019:233:24//HOMO SAPIENS (HU-  
 MAN).//Q02224  
 F-NT2RP4001414//SEPTIN 2 HOMOLOG (FRAGMENT).//6.2e-89:195:81//HOMO SAPIENS (HUMAN).//Q14141  
 F-NT2RP4001433//ZINC FINGER PROTEIN 43 (ZINC PROTEIN HTF6).//1.5e-85:216:56//HOMO SAPIENS (HU-  
 45 MAN).//P28160  
 F-NT2RP4001442//DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT (EC 2.7.7.6) (VERSION 1).//  
 0.012:107:35//ARABIDOPSIS THALIANA (MOUSE-EAR CRESS).//P18616  
 F-NT2RP4001447//60S ACIDIC RIBOSOMAL PROTEIN P2 (EL12).//0.0046:69:33//ARTEMIA SALINA (BRINE  
 SHRIMP).//P02399  
 50 F-NT2RP4001474//CBP3 PROTEIN PRECURSOR.//0.0011:111:29//SACCHAROMYCES CEREVISIAE (BAK-  
 ER'S YEAST).//P21560  
 F-NT2RP4001483//2-OXOGLUTARATE DEHYDROGENASE E1 COMPONENT PRECURSOR (EC 1.2.4.2) (AL-  
 PHA-KETOGLUTARATE DEHYDROGENASE).//6.2e-60:146:61//HOMO SAPIENS (HUMAN).//Q02218  
 F-NT2RP4001498//HYPOTHETICAL 72.5 KD PROTEIN C2F7.10 IN CHROMOSOME I.//2.3e-24:137:37//  
 55 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST).//Q09701  
 F-NT2RP4001502//HYPOTHETICAL 24.7 KD PROTEIN IN POM152-REC114 INTERGENIC REGION.//6.0e-22:  
 148:34//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P40206  
 F-NT2RP4001507//CUTICLE COLLAGEN 40.//0.00029:166:31//CAENORHABDITIS ELEGANS.//P34804

F-NT2RP4001524//LACTOCOCCIN A IMMUNITY PROTEIN//0.74:96:30//LACTOCOCCUS LACTIS (SUBSP. LACTIS) (STREPTOCOCCUS LACTIS), AND LACTOCOCCUS LACTIS (SUBSP. CREMORIS) (STREPTOCOCCUS CREMORIS)//Q00561  
 5 F-NT2RP4001529//PROTEIN GRAINY-HEAD (DNA-BINDING PROTEIN ELF-1) (ELEMENT I-BINDING ACTIVITY) (TRANSCRIPTION FACTOR NTF-1)//2.8e-06:79:41//DROSOPHILA MELANOGASTER (FRUIT FLY)//P13002  
 F-NT2RP4001547//HYPOTHETICAL 45.0 KD PROTEIN IN NOT1/CDC39-HMR INTERGENIC REGION//5.4e-34:88:46//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P25656  
 F-NT2RP4001551//CELL DIVISION CONTROL PROTEIN 68//1.5e-18:243:30//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P32558  
 10 F-NT2RP4001555//PUTATIVE ENDONUCLEASE VIII (EC 3.2.-.-)//0.00030:158:24//MYCOBACTERIUM TUBERCULOSIS//P96902  
 F-NT2RP4001567//IMPORTIN ALPHA-1 SUBUNIT (KARYOPHERIN ALPHA-1 SUBUNIT)//0.00013:147:29//XENOPUS LAEVIS (AFRICAN CLAWED FROG)//P52170  
 15 F-NT2RP4001568//HYPOTHETICAL PROTEIN KIAA0041 (FRAGMENT)//8.0e-22:119:42//HOMO SAPIENS (HUMAN)//Q15057  
 F-NT2RP4001571//NEUROMODULIN (AXONAL MEMBRANE PROTEIN GAP-43) (PP46) (B-50) (PROTEIN F1) (CALMODULIN-BINDING PROTEIN P-57)//0.012:167:28//BOS TAURUS (BOVINE)//P06836  
 F-NT2RP4001574//COATOMER GAMMA SUBUNIT (GAMMA-COAT PROTEIN) (GAMMA-COP)//6.8e-115:208:98//BOS TAURUS (BOVINE)//P53620  
 20 F-NT2RP4001575//M-RELATED PROTEIN PRECURSOR//0.22:184:25//STREPTOCOCCUS PYOGENES//P16946  
 F-NT2RP4001592//ISOLEUCYL-TRNA SYNTHETASE (EC 6.1.1.5) (ISOLEUCINE--TRNA LIGASE) (ILERS)//7.4e-45:229:39//SYNECHOCYSTIS SP. (STRAIN PCC 6803)//P73505  
 25 F-NT2RP4001610//APOLIPOPROTEIN C-III PRECURSOR (APO-CIII)//0.41:74:28//SUS SCROFA (PIG)//P27917  
 F-NT2RP4001614//BASIC PROLINE-RICH PEPTIDE P-E (IB-9)//1.0:29:37//HOMO SAPIENS (HUMAN)//P02811  
 F-NT2RP4001634//MYOSIN HEAVY CHAIN, PERINATAL SKELETAL MUSCLE (FRAGMENT)//0.16:233:23//RATTUS NORVEGICUS (RAT)//P04462  
 30 F-NT2RP4001638//DNA REPAIR/TRANSCRIPTION PROTEIN MET18/34MS19//4.2e-21:249:30//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40469  
 F-NT2RP4001644//MYOSIN LIGHT CHAIN KINASE (EC 2.7.1.117) (MLCK)//4.5e-18:111:44//DICTYOSTELIUM DISCOIDEUM (SLIME MOLD)//P25323  
 35 F-NT2RP4001656//HYPOTHETICAL 108.5 KD PROTEIN R06F6.2 IN CHROMOSOME II//3.4e-13:175:32//CAENORHABDITIS ELEGANS//Q09600  
 F-NT2RP4001677//HYPOTHETICAL 73.6 KD PROTEIN CY49.21//0.065:66:43//MYCOBACTERIUM TUBERCULOSIS//Q10690  
 F-NT2RP4001679//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/1.3e-36:103:72//HOMO SAPIENS (HUMAN)//P39194  
 40 F-NT2RP4001696//PHOTOSYSTEM II REACTION CENTRE J PROTEIN//0.93:37:37//CHLORELLA VULGARIS//P56338  
 F-NT2RP4001725//GUANINE NUCLEOTIDE-BINDING PROTEIN BETA SUBUNIT//4.3e-11:128:32//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q10282  
 45 F-NT2RP4001730//UDP-GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE PRECURSOR (EC 2.4.1.-) (DUGT)//4.1e-22:201:27//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q09332  
 F-NT2RP4001739//HOMEBOX PROTEIN HOX-A10 (HOX-1H) (HOX-1.8) (PL)//1.0:67:34//HOMO SAPIENS (HUMAN)//P31260  
 F-NT2RP4001753//ZINC FINGER PROTEIN 10 (ZINC FINGER PROTEIN KOX1) (FRAGMENT)//1.2e-19:72:62//HOMO SAPIENS (HUMAN)//P21506  
 50 F-NT2RP4001760//BREAKPOINT CLUSTER REGION PROTEIN//1.8e-13:179:28//HOMO SAPIENS (HUMAN)//P11274  
 F-NT2RP4001790//ZINC FINGER PROTEIN 38 (ZFP-38) (CTFIN51) (TRANSCRIPTION FACTOR RU49)//7.9e-38:147:49//MUS MUSCULUS (MOUSE)//Q07231  
 55 F-NT2RP4001803//CUTICLE COLLAGEN 12 PRECURSOR//0.40:48:39//CAENORHABDITIS ELEGANS//P20630  
 F-NT2RP4001822//NOVEL ANTIGEN 2 (NAG-2)//2.7e-27:173:36//HOMO SAPIENS (HUMAN)//O14817  
 F-NT2RP4001823//PUTATIVE CUTICLE COLLAGEN F09G8.6//3.3e-16:152:42//CAENORHABDITIS ELE-

GANS.//P34391  
 F-NT2RP4001828//HOLIN.//0.99:33:36//BACTERIOPHAGE HP1.//P51727  
 F-NT2RP4001838//METASTASIS-ASSOCIATED PROTEIN MTA1.//1.2e-07:95:31//HOMO SAPIENS (HUMAN).//  
 Q13330  
 5 F-NT2RP4001841//INTESTINAL MUCIN-LIKE PROTEIN (MLP) (FRAGMENT).//0.94:141:22//RATTUS NOR-  
 VEGICUS (RAT).//P98089  
 F-NT2RP4001849//SH3-BINDING PROTEIN 3BP-1.//5.6e-52:276:45//MUS MUSCULUS (MOUSE).//P55194  
 F-NT2RP4001861//HYPOTHETICAL 10.6 KD PROTEIN IN GALE-PEPT INTERGENIC REGION.//0.92:39:51//  
 BACILLUS SUBTILIS.//P55185  
 10 F-NT2RP4001889//HYPOTHETICAL BHLF1 PROTEIN.//0.32:97:31//EPSTEIN-BARR VIRUS (STRAIN B95-8)  
 (HUMAN HERPESVIRUS 4).//P03181  
 F-NT2RP4001893//2-5A-DEPENDENT RIBONUCLEASE (EC 3.1.26.-) (2-5A-DEPENDENT RNAASE) (RNASE  
 L) (RIBONUCLEASE 4) (FRAGMENT).//3.6e-07:124:29//MUS MUSCULUS (MOUSE).//Q05921  
 F-NT2RP4001896//HYPOTHETICAL 89.4 KD TRP-ASP REPEATS CONTAINING PROTEIN IN PMT6-PCT1  
 15 INTERGENIC REGION.//3.9e-10:210:28//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P42935  
 F-NT2RP4001901//ACROSIN PRECURSOR (EC 3.4.21.10).//2.4e-07:53:45//ORYCTOLAGUS CUNICULUS  
 (RABBIT).//P48038  
 F-NT2RP4001927//MICROTUBULE-ASSOCIATED PROTEIN YTM1.//3.1e-19:170:32//SACCHAROMYCES  
 CEREVISIAE (BAKER'S YEAST).//Q12024  
 20 F-NT2RP4001938//ZINC FINGER PROTEIN MOK-2.//1.3e-28:72:50//MUS MUSCULUS (MOUSE).//P24399  
 F-NT2RP4001946//PROTEIN-L-ISOASPARTATE O-METHYLTRANSFERASE (EC 2.1.1.77) (PROTEIN- BETA-  
 ASPARTATE METHYLTRANSFERASE) (PIMT) (PROTEIN L-ISOASPARTYL METHYLTRANSFERASE) (L-ISO-  
 ASPARTYL PROTEIN CARBOXYL METHYLTRANSFERASE).//4.8e-14:183:30//TRITICUM AESTIVUM  
 (WHEAT).//Q43209  
 25 F-NT2RP4001950//HYPOTHETICAL PROTEIN ORF-1137.//3.7e-07:115:29//MUS MUSCULUS (MOUSE).//  
 P11260  
 F-NT2RP4001953  
 F-NT2RP4001966//WALL-ASSOCIATED PROTEIN PRECURSOR.//0.13:151:27//BACILLUS SUBTILIS.//  
 Q07833  
 30 F-NT2RP4001975//FIBRIL-FORMING COLLAGEN ALPHA CHAIN.//0.00031:190:31//RIFTIA PACHYPTILA  
 (TUBE WORM).//P30754  
 F-NT2RP4002018//RING CANAL PROTEIN (KELCH PROTEIN).//3.5e-18:185:29//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY).//Q04652  
 F-NT2RP4002047//GTP-BINDING PROTEIN GUF1 (GTPASE GUF1).//4.0e-49:158:65//SACCHAROMYCES  
 35 CEREVISIAE (BAKER'S YEAST).//P46943  
 F-NT2RP4002052//HYPOTHETICAL 54.3 KD PROTEIN C23D3.03C IN CHROMOSOME I.//0.0047:148:27//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST).//Q09844  
 F-NT2RP4002058//PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE F56D2.6.//  
 0.057:66:30//CAENORHABDITIS ELEGANS.//Q20875  
 40 F-NT2RP4002071//VERY HYPOTHETICAL 13.2 KD PROTEIN CY251.09.//0.94:45:46//MYCOBACTERIUM TU-  
 BERCULOSIS.//Q10888  
 F-NT2RP4002075//TAT PROTEIN (TRANSACTIVATING REGULATORY PROTEIN).//0.44:36:38//HUMAN IMMU-  
 NODEFICIENCY VIRUS TYPE 1 (NDK ISOLATE) (HIV-1).//P18804  
 F-NT2RP4002078//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//2.6e-19:46:76//HO-  
 45 MO SAPIENS (HUMAN).//Q05481  
 F-NT2RP4002081//MHC CLASS II REGULATORY FACTOR RFX1 (RFX) (ENHANCER FACTOR C) (EF-C).//  
 2.8e-05:196:31//HOMO SAPIENS (HUMAN).//P22670  
 F-NT2RP4002083//HYPOTHETICAL PROLINE-RICH PROTEIN (FRAGMENT).//0.0064:29:55//OWENIA FUSI-  
 FORMIS.//P21260  
 50 F-NT2RP4002408//PROTEIN KINASE CEK1 (EC 2.7.1.-).//1.1e-37:159:53//SCHIZOSACCHAROMYCES  
 POMBE (FISSION YEAST).//P38938  
 F-NT2RP4002791//30S RIBOSOMAL PROTEIN S20.//1.0:73:26//HELICOBACTER PYLORI (CAMPYLO-  
 BACTER PYLORI).//P56027  
 F-NT2RP4002888//HYPOTHETICAL PROTEIN TP0352.//0.98:52:26//TREPONEMA PALLIDUM.//O83371  
 55 F-NT2RP4002905//G2/MITOTIC-SPECIFIC CYCLIN S13-7 (B-LIKE CYCLIN) (FRAGMENT).//5.9e-05:138:27//  
 GLYCINE MAX (SOYBEAN).//P25012  
 F-NT2RP5003459//HOMEBOX PROTEIN HOX-A3 (HOX-1.5) (MO-10).//0.027:40:40//MUS MUSCULUS  
 (MOUSE).//P02831

F-NT2RP5003461//HYPOTHETICAL PROTEIN C22F3.14C IN CHROMOSOME I (FRAGMENT)//1.1e-12:142:35//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09779  
 F-NT2RP5003477//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1//5.3e-13:215:28//PODOSPORA ANSERINA//Q00808  
 5 F-NT2RP5003492//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSIDASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE)//0.0055:144:27//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P08640  
 F-NT2RP5003500//PROLINE-RICH PROTEIN MP-2 PRECURSOR//9.0e-05:103:38//MUS MUSCULUS (MOUSE)//P05142  
 10 F-NT2RP5003506//MALE SPECIFIC SPERM PROTEIN MST87F//0.53:21:38//DROSOPHILA MELANOGASTER (FRUIT FLY)//P08175  
 F-NT2RP5003512//HYPOTHETICAL PROTEIN IN CYCB 3'REGION PRECURSOR (ORF2) (FRAGMENT)//0.92:49:32//PARACOCCLUS DENITRIFICANS//P29969  
 F-NT2RP5003522//NADPH-CYTOCHROME P450 REDUCTASE (EC 1.6.2.4) (CPR)//2.7e-18:165:39//PHASEOLUS AUREUS (MUNG BEAN) (VIGNA RADIATA)//P37116  
 15 F-NT2RP5003524//COLLAGEN ALPHA 1(I) CHAIN (FRAGMENTS)//6.0e-08:125:41//RATTUS NORVEGICUS (RAT)//P02454  
 F-NT2RP5003534//ATP SYNTHASE, SUBUNIT F (EC 3.6.1.34)//0.88:37:45//HALOBACTERIUM VOLCANII (HALOFERAX VOLCANII)//Q48331  
 20 F-OVARC1000001//GAR22 PROTEIN//1.9e-05:41:58//HOMO SAPIENS (HUMAN)//Q99501  
 F-OVARC1000004//70 KD EXOCYST COMPLEX PROTEIN//3.7e-08:186:25//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P19658  
 F-OVARC1000006//HISTONE H2A.1//4.7e-55:117:98//RATTUS NORVEGICUS (RAT)//P02262  
 F-OVARC1000013//WD-REPEAT PROTEIN POP1//0.00022:126:28//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//P87060  
 25 F-OVARC1000014//PROCOLLAGEN ALPHA 1(I) CHAIN PRECURSOR//2.3e-05:220:30//GALLUS GALLUS (CHICKEN)//P02457  
 F-OVARC1000017//CUTICLE COLLAGEN DPY-13//2.6e-05:97:30//CAENORHABDITIS ELEGANS//P17657  
 F-OVARC1000035  
 30 F-OVARC1000058//RAS-RELATED PROTEIN RABC//0.00015:110:24//DICTYOSTELIUM DISCOIDEUM (SLIME MOLD)//P34143  
 F-OVARC1000060//EXTRACELLULAR RIBONUCLEASE LE PRECURSOR (EC 3.1.27.1) (RNASE LE)//6.8e-09:60:45//LYCOPERSICON ESCULENTUM (TOMATO)//P80022  
 F-OVARC1000068//CYTOTOXIN 4 (CARDIOTOXIN V-II-4)//1.0:27:44//NAJA MOSSAMBICA (MOZAMBIQUE COBRA)//P01452  
 35 F-OVARC1000071//NUCLEAR TRANSPORT FACTOR 2 (NTF-2) (PLACENTAL PROTEIN 15) (PP15)//5.2e-06:115:29//HOMO SAPIENS (HUMAN), AND RATTUS NORVEGICUS (RAT)//P13662  
 F-OVARC1000085  
 F-OVARC1000087//HISTONE MACRO-H2A.1//1.2e-13:174:26//RATTUS NORVEGICUS (RAT)//Q02874  
 40 F-OVARC1000091//OCTAPEPTIDE-REPEAT PROTEIN T2//0.0013:137:32//MUS MUSCULUS (MOUSE)//Q06666  
 F-OVARC1000092//MITOCHONDRIAL RIBOSOMAL PROTEIN S7//0.97:46:39//ACANTHAMOEBA CASTELLANII (AMOEBA)//P46756  
 F-OVARC1000106//HYPOTHETICAL 141.5 KD PROTEIN IN YPT53-RHO2 INTERGENIC REGION//0.0012:165:29//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53935  
 45 F-OVARC1000109//PROLINE RICH 33 KD EXTENSIN-RELATED PROTEIN PRECURSOR (FRAGMENT)//0.18:35:34//DAUCUS CAROTA (CARROT)//P06600  
 F-OVARC1000113//HYPOTHETICAL PROTEIN C18//1.0:26:26//SWINEPOX VIRUS (STRAIN KASZA) (SPV)//P32217  
 50 F-OVARC1000114//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!//3.6e-28:57:63//HOMO SAPIENS (HUMAN)//P39194  
 F-OVARC1000133  
 F-OVARC1000139//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 4 (EC 3.1.2.15) (UBIQUITIN THIOLESTERASE 4) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 4) (DEUBIQUITINATING ENZYME 4) (UBIQUITOUS NUCLEAR PROTEIN HOMOLOG)//1.9e-09:200:29//HOMO SAPIENS (HUMAN)//Q13107  
 55 F-OVARC1000145//HOMEODOMAIN PROTEIN DLX-3//1.0:65:30//BRACHYDANIO RERIO (ZEBRAFISH) (ZEBRA DANIO)//Q01702  
 F-OVARC1000148//HYPHAL WALL PROTEIN 1 (CELL ELONGATION PROTEIN 2)//0.12:175:29//CANDIDA AL-

BICANS (YEAST).//P46593  
 F-OVARC1000151//HYPOTHETICAL PROTEIN KIAA0161.//5.6e-20:197:30//HOMO SAPIENS (HUMAN).//  
 P50876  
 F-OVARC1000168//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/0.0030:77:38//HOMO SAPIENS (HUMAN).//  
 5 P39188  
 F-OVARC1000191//COLANIC ACID BIOSYNTHESIS PROTEIN WCAH.//0.95:56:35//ESCHERICHIA COLI.//  
 P32056  
 F-OVARC1000198//HISTONE H1.C2.//0.96:70:25//TRYPANOSOMA CRUZI.//P40268  
 F-OVARC1000209//HYPOTHETICAL 20.9 KD PROTEIN IN PLB1-HXT2 INTERGENIC REGION.//2.5e-33:178:  
 10 44//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//Q03677  
 F-OVARC1000212//PROLINE-RICH PROTEIN MP-2 PRECURSOR.//1.7e-05:66:46//MUS MUSCULUS  
 (MOUSE).//P05142  
 F-OVARC1000240//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/1.8e-10:41:78//HOMO SAPIENS (HUMAN).//  
 P39193  
 F-OVARC1000241//ENDOTHELIAL PAS DOMAIN PROTEIN 1 (EPAS-1) (HIF-1 ALPHA-LIKE FACTOR) (MHLF)  
 (HIF-RELATED FACTOR) (HRF).//7.4e-54:177:54//MUS MUSCULUS (MOUSE).//P97481  
 F-OVARC1000288//HYPOTHETICAL 54.2 KD PROTEIN IN ERP5-ORC6 INTERGENIC REGION.//2.9e-20:115:  
 45//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P38821  
 F-OVARC1000302//CORTICOSTEROID-BINDING GLOBULIN PRECURSOR (CBG) (TRANSCORTIN).//1.0:79:  
 20 25//MUS MUSCULUS (MOUSE).//Q06770  
 F-OVARC1000304//PROTEIN MOV-10.//1.6e-79:181:83//MUS MUSCULUS (MOUSE).//P23249  
 F-OVARC1000309//THREONINE SYNTHASE (EC 4.2.99.2).//6.9e-36:156:42//ASHBYA GOSSYPYII (EREMOTH-  
 ECIIUM GOSSYPYII).//Q00063  
 F-OVARC1000321//HYPOTHETICAL 28.1 KD PROTEIN C4F8.03 IN CHROMOSOME I.//5.2e-45:159:53//  
 25 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST).//O14179  
 F-OVARC1000326//BASIC PROLINE-RICH PEPTIDE IB-1.//0.036:67:35//HOMO SAPIENS (HUMAN).//P04281  
 F-OVARC1000335//HYPOTHETICAL 39.3 KD PROTEIN IN GCN4-WBP1 INTERGENIC REGION.//1.2e-16:200:  
 27//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P40004  
 F-OVARC1000347//HYPOTHETICAL 7.6 KD PROTEIN YCF33.//0.69:41:43//CYANOPHORA PARADOXA.//  
 30 P48273  
 F-OVARC1000384//ANTIFREEZE PEPTIDE 4 PRECURSOR.//0.98:49:34//PSEUDOPLEURONECTA AMERI-  
 CANUS (WINTER FLOUNDER).//P02734  
 F-OVARC1000408//INTEGUMENTARY MUCIN C.1 (FIM-C.1) (FRAGMENT).//8.1e-05:115:33//XENOPUS LAE-  
 VIS (AFRICAN CLAWED FROG).//Q05049  
 F-OVARC1000411//DYNACTIN, 150 KD ISOFORM (150 KD DYNEIN-ASSOCIATED POLYPEPTIDE) (DP-150)  
 (DAP-150) (P150-GLUED).//0.00076:100:29//RATTUS NORVEGICUS (RAT).//P28023  
 F-OVARC1000414//HYPOTHETICAL 7.0 KD PROTEIN IN BLTR-SPOIIC INTERGENIC REGION.//1.0:46:34//  
 BACILLUS SUBTILIS.//P54431  
 F-OVARC1000420//COLLAGEN ALPHA 2(VIII) CHAIN (ENDOTHELIAL COLLAGEN) (FRAGMENT).//0.0028:97:  
 40 37//HOMO SAPIENS (HUMAN).//P25067  
 F-OVARC1000427//HYPOTHETICAL 13.9 KD PROTEIN IN PRFA-SPOIIR INTERGENIC REGION.//0.70:21:47//  
 BACILLUS SUBTILIS.//P39150  
 F-OVARC1000431  
 F-OVARC1000437//TENSIN.//9.2e-42:195:52//GALLUS GALLUS (CHICKEN).//Q04205  
 F-OVARC1000440//PINCH PROTEIN (PARTICULARY INTERESTING NEW CYS-HIS PROTEIN).//3.4e-31:37:  
 45 97//HOMO SAPIENS (HUMAN).//P48059  
 F-OVARC1000442  
 F-OVARC1000443//CUTICLE COLLAGEN 2C (FRAGMENT).//0.0056:163:34//HAEMONCHUS CONTORTUS.//  
 P16252  
 F-OVARC1000461//FIXU PROTEIN.//0.36:36:44//RHIZOBIUM LEGUMINOSARUM (BIOVAR TRIFOLI).//  
 50 P42710  
 F-OVARC1000465//PROTEIN TRANSPORT PROTEIN SEC7.//2.4e-14:222:26//SACCHAROMYCES CEREVI-  
 SIAE (BAKER'S YEAST).//P11075  
 F-OVARC1000466//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/2.3e-08:29:93//HOMO SAPIENS (HUMAN).//  
 55 P39192  
 F-OVARC1000473//DUAL SPECIFICITY PROTEIN PHOSPHATASE 7 (EC 3.1.3.48) (EC 3.1.3.16) (DUAL SPE-  
 CIFICITY PROTEIN PHOSPHATASE MKP-X) (FRAGMENT).//2.8e-06:96:36//RATTUS NORVEGICUS (RAT).//  
 Q63340



- F-OVARC1000479//PHOTOSYSTEM I REACTION CENTRE SUBUNIT X (PSI-K)//0.99:48:37//CYANIDIUM CALDARIUM (GALDIERIA SULPHURARIA)//P31567 F-OVARC1000486  
F-OVARC1000496//HYPOTHETICAL PROTEIN MJ1213//1.0:62:32//METHANOCOCCUS JANNASCHII//Q58610
- 5 F-OVARC1000520//MEROZOITE SURFACE PROTEIN CMZ-8 (FRAGMENT)//0.0011:66:40//EIMERIA ACERVULINA//P09125  
F-OVARC1000526//PROTEIN Q300//1.2e-05:51:43//MUS MUSCULUS (MOUSE)//Q02722  
F-OVARC1000533//NEURONAL PROTEIN 3.1 (P311 PROTEIN)//0.74:43:41//HOMO SAPIENS (HUMAN)//Q16612
- 10 F-OVARC1000543//POLYPEPTIDE N-ACETYL GALACTOSAMINYLTRANSFERASE (EC 2.4.1.41) (PROTEIN-UDP ACETYL GALACTOSAMINYLTRANSFERASE) (UDP-GALNAC:POLYPEPTIDE, N- ACETYL GALACTOSAMINYLTRANSFERASE) (GALNAC-T1)//2.3e-23:192:35//HOMO SAPIENS (HUMAN)//Q10472  
F-OVARC1000556  
F-OVARC1000557//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/1.6e-08:80:47//HOMO SAPIENS (HUMAN)//P39188
- 15 F-OVARC1000564//VPX PROTEIN (X ORF PROTEIN) (VIRAL ACCESSORY PROTEIN)//0.45:32:50//HUMAN IMMUNODEFICIENCY VIRUS TYPE 2 (ISOLATE D194) (HIV-2)//P17760  
F-OVARC1000573  
F-OVARC1000576//BETA-DEFENSIN 1 (BNDB-1)//0.47:29:41//BOS TAURUS (BOVINE)//P46159
- 20 F-OVARC1000578//COLLAGEN ALPHA 1(II) CHAIN (FRAGMENTS)//0.023:96:36//BOS TAURUS (BOVINE)//P02459  
F-OVARC1000588//MITOCHONDRIAL 60S RIBOSOMAL PROTEIN L3//0.75:57:29//HOMO SAPIENS (HUMAN)//P09001  
F-OVARC1000605//AUTOLYSIN PRECURSOR (EC 3.4.24.38) (GAMETE LYTIC ENZYME) (GLE)//0.91:134:28//CHLAMYDOMONAS REINHARDTII//P31178
- 25 F-OVARC1000622//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/2.6e-36:100:80//HOMO SAPIENS (HUMAN)//P39189  
F-OVARC1000640//HYPOTHETICAL 8.5 KD PROTEIN YCF40 (ORF73)//0.96:34:38//ODONTELLA SINENSIS//P49535
- 30 F-OVARC1000649//ANTHER-SPECIFIC PROTEIN SF18 PRECURSOR (FRAGMENT)//0.0036:64:37//HELIANTHUS ANNUUS (COMMON SUNFLOWER)//P22357  
F-OVARC1000661//COLLAGEN ALPHA 2(I) CHAIN (FRAGMENTS)//0.21:53:47//RATTUS NORVEGICUS (RAT)//P02466  
F-OVARC1000678//BACTERIOCIN MICROCIN B17 PRECURSOR (MCB17)//1.0:17:58//ESCHERICHIA COLI//P05834
- 35 F-OVARC1000679//DNA-DIRECTED RNA POLYMERASE OMEGA CHAIN (EC 2.7.7.6) (TRANSCRIPTASE OMEGA CHAIN) (RNA POLYMERASE OMEGA SUBUNIT)//0.096:67:29//ESCHERICHIA COLI//P08374  
F-OVARC1000681//PROTEIN Q300//0.72:16:43//MUS MUSCULUS (MOUSE)//Q02722  
F-OVARC1000682//PROCESSING ALPHA-1,2-MANNOSIDASE (EC 3.2.1.-) (ALPHA-1,2-MANNOSIDASE 1B)//7.6e-70:102:99//MUS MUSCULUS (MOUSE)//P39098
- 40 F-OVARC1000689//CADIUM-METALLOTHIONEIN (CD-MT)//0.032:30:40//HELIX POMATIA (ROMAN SNAIL) (EDIBLE SNAIL)//P33187  
F-OVARC1000700//BRAIN NEURON CYTOPLASMIC PROTEIN 2//0.17:60:40//RATTUS NORVEGICUS (RAT)//P02684
- 45 F-OVARC1000703//BASIC PROLINE-RICH PEPTIDE P-E (IB-9)//0.57:42:42//HOMO SAPIENS (HUMAN)//P02811  
F-OVARC1000722//N-ACETYLLACTOSAMINE SYNTHASE (EC 2.4.1.90) (N-ACETYLGLUCOSAMINE (BETA 1->4) GALACTOSYLTRANSFERASE) (EC 2.4.1.38) (LACTOSE SYNTHASE A PROTEIN (EC 2.4.1.22)) (GALACTOSYLTRANSFERASE) (GT)//1.1e-20:44:70//BOS TAURUS (BOVINE)//P08037
- 50 F-OVARC1000730//HYPOTHETICAL 83.8 KD PROTEIN C27F2.7 IN CHROMOSOME III//5.2e-29:224:36//CAENORHABDITIS ELEGANS//Q18262  
F-OVARC1000746//MATERNAL EFFECT PROTEIN STAUFEN//6.2e-12:78:48//DROSOPHILA MELANOGASTER (FRUIT FLY)//P25159  
F-OVARC1000769
- 55 F-OVARC1000771//RAS-RELATED PROTEIN RAB-2//1.1e-46:121:79//HOMO SAPIENS (HUMAN), AND CANIS FAMILIARIS (DOG)//P08886  
F-OVARC1000781//HOMEOBOX PROTEIN GBX-2 (GASTRULATION AND BRAIN-SPECIFIC HOMEOBOX PROTEIN 2)//0.81:36:52//HOMO SAPIENS (HUMAN)//P52951

# EP 1 074 617 A2

F-OVARC1000787//40S RIBOSOMAL PROTEIN S14 (FRAGMENT)//0.96:37:48//SUS SCROFA (PIG)//Q29303  
 F-OVARC1000800//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!//2.5e-31:47:82//HOMO SAPIENS (HUMAN)//  
 P39189  
 5 F-OVARC1000802//HYPOTHETICAL 8.8 KD PROTEIN B0302.2 IN CHROMOSOME X//0.16:55:40//  
 CAENORHABDITIS ELEGANS//Q10926  
 F-OVARC1000834//SERINE/THREONINE-PROTEIN KINASE PAK-ALPHA (EC 2.7.1.-) (P68-PAK) (P21- ACTI-  
 VATED KINASE) (ALPHA-PAK) (PROTEIN KINASE MUK2)//0.87:140:31//RATTUS NORVEGICUS (RAT)//  
 P35465  
 10 F-OVARC1000846//NUCLEOLIN (PROTEIN C23)//7.0e-07:109:30//MESOCRICETUS AURATUS (GOLDEN  
 HAMSTER)//P08199  
 F-OVARC1000850//HYPOTHETICAL 56.2 KD PROTEIN IN ERG8-UBP8 INTERGENIC REGION//6.9e-09:180:  
 28//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//Q04991  
 F-OVARC1000862//UBIQUITIN-CONJUGATING ENZYME E2-17.5 KD (EC 6.3.2.19) (UBIQUITIN- PROTEIN  
 15 LIGASE) (UBIQUITIN CARRIER PROTEIN)//0.0020:74:28//SACCHAROMYCES CEREVISIAE (BAKER'S  
 YEAST)//P52490  
 F-OVARC1000876//MOB1 PROTEIN (MPS1 BINDER 1)//9.8e-39:154:55//SACCHAROMYCES CEREVISIAE  
 (BAKER'S YEAST)//P40484  
 F-OVARC1000883//METALLOTHIONEIN-I//0.87:38:36//CANDIDA GLABRATA (YEAST) (TORULOPSIS GLA-  
 BRATA)//P15113  
 20 F-OVARC1000885//OXIDOREDUCTASE UCPA (EC 1.-.-.-)//2.8e-18:170:34//ESCHERICHIA COLI//P37440  
 F-OVARC1000886//COLLAGEN ALPHA 2(I) CHAIN (FRAGMENT)//0.00033:60:45//BOS TAURUS (BOVINE)//  
 P02465  
 F-OVARC1000890//PROBABLE E5 PROTEIN//0.92:7:71//HUMAN PAPILLOMAVIRUS TYPE 70//P50774  
 F-OVARC1000891//HYPOTHETICAL 8.3 KD PROTEIN (ORF5)//1.0:36:36//PARAMECIUM TETRAURELIA//  
 25 P15606  
 F-OVARC1000897//HYPOTHETICAL 6.1 KD PROTEIN PRECURSOR (ORF87)//1.0:34:44//ORGYIA PSEU-  
 DOTSUGATA MULTICAPSID POLYHEDROSIS VIRUS (OPMNPV)//O10337  
 F-OVARC1000912//PUTATIVE CUTICLE COLLAGEN C09G5.4//4.0e-07:98:35//CAENORHABDITIS ELE-  
 GANS//Q09455  
 30 F-OVARC1000915//HYPOTHETICAL PROTEIN KIAA0288 (HA6116)//1.7e-47:115:76//HOMO SAPIENS (HU-  
 MAN)//P56524  
 F-OVARC1000924//CYTOCHROME B (EC 1.10.2.2) (FRAGMENT)//0.99:54:24//BOA CONSTRICTOR (BOA)//  
 P92848  
 F-OVARC1000936//HYPOTHETICAL 7.5 KD PROTEIN IN INAA-GLPQ INTERGENIC REGION//1.0:48:33//ES-  
 35 CHERICHIA COLI//P45505  
 F-OVARC1000937//PROCOLLAGEN ALPHA 1(I) CHAIN PRECURSOR//1.0:135:31//HOMO SAPIENS (HU-  
 MAN)//P02452  
 F-OVARC1000945//EARLY E1A 11 KD PROTEIN//0.087:81:24//MOUSE ADENOVIRUS TYPE 1 (MAV-1)//  
 P12533  
 40 F-OVARC1000948  
 F-OVARC1000959//HYPOTHETICAL PROTEIN MJ0933//0.99:67:28//METHANOCOCCUS JANNASCHII//  
 Q58343  
 F-OVARC1000960//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!//1.8e-32:56:75//HOMO SAPIENS (HUMAN)//  
 P39193  
 45 F-OVARC1000964//MAMBIN (GLYCOPROTEIN IIB-IIA ANTAGONIST) (PLATELET AGGREGATION INHIBITOR)  
 (DENDROASPIN)//1.0:30:36//DENDROASPIS JAMESONI KAIMOSAE (EASTERN JAMESON'S MAMBA)//  
 P28375  
 F-OVARC1000971  
 F-OVARC1000984//HYPOTHETICAL 52.3 KD PROTEIN IN MRPL10-ERG24 INTERGENIC REGION PRECUR-  
 50 SOR//0.093:36:47//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53832  
 F-OVARC1000996//MO25 PROTEIN//1.9e-39:80:95//MUS MUSCULUS (MOUSE)//Q06138  
 F-OVARC1000999//BRAIN-SPECIFIC HOMEBOX/POU DOMAIN PROTEIN 1 (BRN-1 PROTEIN)//0.00020:50:  
 40//HOMO SAPIENS (HUMAN)//P20264  
 F-OVARC1001000//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!//1.4e-16:43:90//HOMO SAPIENS (HUMAN)//  
 55 P39195  
 F-OVARC1001004//MALE SPECIFIC SPERM PROTEIN MST84DA//0.95:33:42//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY)//Q01642  
 F-OVARC1001010//HYPOTHETICAL PROTEIN MJ0926//0.50:71:23//METHANOCOCCUS JANNASCHII//

Q58336  
 F-OVARC1001011//CORTISTATIN PRECURSOR//0.81:45:37//RATTUS NORVEGICUS (RAT)//Q62949  
 F-OVARC1001032//FERREDOXIN LIKE PROTEIN//1.0:26:46//RHIZOBIUM LEGUMINOSARUM (BIOVAR PHA-  
 SEOLI)//Q05561  
 5 F-OVARC1001034//METALLOTHIONEIN-IG (MT-1G)//0.14:9:77//HOMO SAPIENS (HUMAN)//P13640  
 F-OVARC1001038//NUCLEOLIN (PROTEIN C23)//3.2e-07:36:80//HOMO SAPIENS (HUMAN)//P19338  
 F-OVARC1001040//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/1.5e-18:45:60//HOMO SAPIENS (HUMAN)//  
 P39194  
 10 F-OVARC1001044//BIS(5'-NUCLEOSYL)-TETRAPHOSPHATASE (SYMMETRICAL) (EC 3.6.1.41) (DIADENOS-  
 INE TETRAPHOSPHATASE)//0.88:43:39//ESCHERICHIA COLI//P05637  
 F-OVARC1001051//SERINE PROTEINASE STUBBLE (EC 3.4.21.-) (STUBBLE-STUBBLOID PROTEIN)//0.34:  
 117:25//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q05319  
 F-OVARC1001055//PRE-B CELL ENHANCING FACTOR PRECURSOR//1.6e-33:43:97//HOMO SAPIENS (HU-  
 MAN)//P43490  
 15 F-OVARC1001062  
 F-OVARC1001065//METHIONYL-TRNA SYNTHETASE (EC 6.1.1.10) (METHIONINE--TRNA LIGASE)  
 (METRS)//0.79:76:39//BORRELIA BURGDORFERI (LYME DISEASE SPIROCHETE)//Q44951  
 F-OVARC1001068//GTP-BINDING PROTEIN ERA HOMOLOG (FRAGMENT)//5.3e-15:100:44//BRADYRHIZO-  
 BIUM JAPONICUM//O69162  
 20 F-OVARC1001072//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/0.0076:41:56//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-OVARC1001074//60S RIBOSOMAL PROTEIN L38//1.0:32:40//LYCOPERSICON ESCULENTUM (TOMATO)//  
 P46291  
 25 F-OVARC1001085//HYPOTHETICAL 126.5 KD PROTEIN C13F4.06 IN CHROMOSOME I//0.73:135:25//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q10197  
 F-OVARC1001092//HYPOTHETICAL 51.2 KD PROTEIN IN PET54-DIE2 INTERGENIC REGION//5.6e-05:30:  
 56//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P50079  
 F-OVARC1001107//SHK1 KINASE-BINDING PROTEIN 1//1.8e-08:52:51//SCHIZOSACCHAROMYCES POMBE  
 (FISSION YEAST)//P78963  
 30 F-OVARC1001113//DIAPHANOUS PROTEIN//1.9e-33:218:35//DROSOPHILA MELANOGASTER (FRUIT  
 FLY)//P48608  
 F-OVARC1001117//GENE 7 PROTEIN//0.68:12:50//SPIROPLASMA VIRUS 4 (SPV4)//P11339  
 F-OVARC1001118  
 F-OVARC1001129//30S RIBOSOMAL PROTEIN S17//0.15:57:22//AQUIFEX AEOLICUS//O66439  
 35 F-OVARC1001154//GRANULINS PRECURSOR (ACROGRANIN)//2.3e-95:99:77//MUS MUSCULUS  
 (MOUSE)//P28798  
 F-OVARC1001161//GUANINE NUCLEOTIDE-BINDING PROTEIN BETA SUBUNIT//0.17:87:34//ARABIDOPSIS  
 THALIANA (MOUSE-EAR CRESS)//P49177  
 F-OVARC1001162  
 40 F-OVARC1001167//TRBD PROTEIN//0.92:24:45//ESCHERICHIA COLI//P41070  
 F-OVARC1001169//FRUCTOSE-1,6-BISPHOSPHATASE (EC 3.1.3.11) (D-FRUCTOSE-1,6-BISPHOSPHATE  
 1-PHOSPHOHYDROLASE) (FBPASE) (FRAGMENT)//0.82:35:40//MUS MUSCULUS (MOUSE)//P97323  
 F-OVARC1001170//PROLINE-RICH PEPTIDE P-B//0.17:27:37//HOMO SAPIENS (HUMAN)//P02814  
 F-OVARC1001171//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/0.00023:28:75//HOMO SAPIENS (HUMAN)//  
 45 P39188  
 F-OVARC1001173  
 F-OVARC1001176//HYPOTHETICAL BHLF1 PROTEIN//2.7e-05:158:31//EPSTEIN-BARR VIRUS (STRAIN  
 B95-8) (HUMAN HERPESVIRUS 4)//P03181  
 F-OVARC1001180//UBIQUITIN-LIKE PROTEIN DSK2//1.4e-12:208:25//SACCHAROMYCES CEREVISIAE  
 50 (BAKER'S YEAST)//P48510  
 F-OVARC1001188//HYPOTHETICAL 27.8 KD PROTEIN IN VMA7-RPS25A INTERGENIC REGION//3.3e-31:  
 129:51//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53215  
 F-OVARC1001200//HYPOTHETICAL 49.0 KD PROTEIN IN NSP1-KAR2 INTERGENIC REGION//0.018:148:26//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P47057  
 55 F-OVARC1001232//HYPOTHETICAL PROTEIN MJ1236//2.5e-27:141:39//METHANOCOCCUS JANNASCHII//  
 Q58633  
 F-OVARC1001240  
 F-OVARC1001243

# EP 1 074 617 A2

F-OVARC1001244//RING3 PROTEIN (KIAA9001)//1.7e-13:37:91//HOMO SAPIENS (HUMAN)//P25440  
 F-OVARC1001261//OCTAPEPTIDE-REPEAT PROTEIN T2//1.3e-07:109:35//MUS MUSCULUS (MOUSE)//  
 Q06666  
 5 F-OVARC1001268//HYPOTHETICAL 57.4 KD PROTEIN IN PILT REGION (ORF4)//0.71:43:41//PSEU-  
 DOMONAS AERUGINOSA//P24563  
 F-OVARC1001270//HYPOTHETICAL 9.0 KD PROTEIN IN UVSW-UVSY INTERGENIC REGION//1.0:44:29//  
 BACTERIOPHAGE T4//P32281  
 F-OVARC1001271//HYPOTHETICAL 104.7 KD PROTEIN F23F12.8 IN CHROMOSOME III PRECURSOR//  
 0.00015:188:23//CAENORHABDITIS ELEGANS//P46504  
 10 F-OVARC1001282  
 F-OVARC1001296//WEB1 PROTEIN (PROTEIN TRANSPORT PROTEIN SEC31)//0.022:101:31//SACCHARO-  
 MYCES CEREVISIAE (BAKER'S YEAST)//P38968  
 F-OVARC1001306//HYPOTHETICAL 52.9 KD SERINE-RICH PROTEIN C11G7.01 IN CHROMOSOME I//0.023:  
 134:26//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//O13695  
 15 F-OVARC1001329//CHLOROPLAST TRIOSE PHOSPHATE TRANSLOCATOR PRECURSOR (CTPT)//1.3e-14:  
 150:28//ZEA MAYS (MAIZE)//P49133  
 F-OVARC1001330  
 F-OVARC1001339//RIBONUCLEOPROTEIN RB97D//0.0013:55:38//DROSOPHILA MELANOGASTER (FRUIT  
 FLY)//Q02926  
 20 F-OVARC1001341//HYPOTHETICAL 74.0 KD PROTEIN IN CAJ1-HOM3 INTERGENIC REGION//4.9e-17:110:  
 43//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40032  
 F-OVARC1001342  
 F-OVARC1001344//PREPROTEIN TRANSLOCASE SECE SUBUNIT//0.99:39:23//STAPHYLOCOCCUS CAR-  
 NOSUS//P36253  
 25 F-OVARC1001357//METALLOTHIONEIN//0.99:28:42//XENOPUS LAEVIS (AFRICAN CLAWED FROG)//  
 Q05890  
 F-OVARC1001360//LARGE PROLINE-RICH PROTEIN BAT2 (HLA-B-ASSOCIATED TRANSCRIPT 2)//0.86:109:  
 31//HOMO SAPIENS (HUMAN)//P48634  
 F-OVARC1001369//COLLAGEN ALPHA 2(I) CHAIN (FRAGMENT)//6.7e-05:124:36//BOS TAURUS (BOVINE)//  
 30 P02465  
 F-OVARC1001372//HYPOTHETICAL 34.5 KD PROTEIN IN CLCB-CLCD INTERGENIC REGION PRECUR-  
 SOR//0.75:33:48//PSEUDOMONAS PUTIDA, AND PSEUDOMONAS SP. (STRAIN B13)//Q47100  
 F-OVARC1001376//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!//2.8e-24:96:61//HOMO SAPIENS (HUMAN)//  
 P39188  
 35 F-OVARC1001381//MEMBRANE-ASSOCIATED ATPASE EPSILON CHAIN (EC 3.6.1.34) (SUL-ATPASE EPSI-  
 LON)//0.96:46:39//SULFOLOBUS ACIDOCALDARIUS//P23039  
 F-OVARC1001391//SALIVARY PROLINE-RICH PROTEIN PO (ALLELE K) [CONTAINS: PEPTIDE P-D] (FRAG-  
 MENT)//0.00024:189:29//HOMO SAPIENS (HUMAN)//P10162  
 F-OVARC1001399//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!//0.062:18:77//HOMO SAPIENS (HUMAN)//  
 40 P39195  
 F-OVARC1001417//HYPOTHETICAL 157.0 KD PROTEIN C38C10.5 IN CHROMOSOME III//0.010:185:23//  
 CAENORHABDITIS ELEGANS//Q03570  
 F-OVARC1001419//A-TYPE INCLUSION PROTEIN (ATI)//0.50:135:28//CAMELPOX VIRUS (STRAIN CP-1)//  
 Q05482  
 45 F-OVARC1001425//COLLAGEN ALPHA 1(X) CHAIN PRECURSOR//0.43:85:40//HOMO SAPIENS (HUMAN)//  
 Q03692  
 F-OVARC1001436//HYPOTHETICAL 11.4 KD PROTEIN (C4 PROTEIN)//0.031:100:30//TOMATO YELLOW  
 LEAF CURL VIRUS (STRAIN AUSTRALIA) (TYLCV)//P36283  
 F-OVARC1001442//HOMEBOX PROTEIN HTR-A2 (FRAGMENT)//1.0:32:34//HELOBDELLA TRISERIALIS  
 50 (LEECH)//P17138  
 F-OVARC1001453//METALLOTHIONEIN-III (MT-III) (GROWTH INHIBITORY FACTOR) (GIF)//0.74:19:47//MUS  
 MUSCULUS (MOUSE)//P28184  
 F-OVARC1001476//GTP-BINDING PROTEIN GTR2//3.0e-12:114:34//SACCHAROMYCES CEREVISIAE (BAK-  
 ER'S YEAST)//P53290  
 55 F-OVARC1001480//COLLAGEN ALPHA 2(VI) CHAIN PRECURSOR//0.00019:134:32//MUS MUSCULUS  
 (MOUSE)//Q02788  
 F-OVARC1001489//HYPOTHETICAL PROTEIN HI1270//0.98:30:43//HAEMOPHILUS INFLUENZAE//P44149  
 F-OVARC1001496//C-TERMINAL BINDING PROTEIN 2//4.0e-65:132:100//HOMO SAPIENS (HUMAN)//

P56545  
 F-OVARC1001506//POLYCYSTIN PRECURSOR (AUTOSOMAL DOMINANT POLYCYSTIC KIDNEY DISEASE  
 PROTEIN 1)//3.2e-70:159:94//HOMO SAPIENS (HUMAN)//P98161  
 F-OVARC1001525//FIBROBLAST GROWTH FACTOR INDUCIBLE PROTEIN 14 (FIN14)//1.0:36:33//MUS MUS-  
 5 CULUS (MOUSE)//Q61077  
 F-OVARC1001542//SMALL PROLINE-RICH PROTEIN 2B (SPR-2B)//0.69:57:33//HOMO SAPIENS (HUMAN)//  
 P35325  
 F-OVARC1001547  
 F-OVARC1001555//NGG1-INTERACTING FACTOR 3//7.6e-16:148:34//SACCHAROMYCES CEREVISIAE  
 10 (BAKER'S YEAST)//P53081  
 F-OVARC1001577//SPLICING FACTOR, ARGININE/SERINE-RICH 2 (SPLICING FACTOR SC35) (SC-35)  
 (SPLICING COMPONENT, 35 KD) (PR264 PROTEIN)//8.8e-38:94:81//GALLUS GALLUS (CHICKEN)//P30352  
 F-OVARC1001600//GENE 7 PROTEIN//0.80:38:39//SPIROPLASMA VIRUS SPV1-R8A2 B//P15898  
 F-OVARC1001610//DIACYLGLYCEROL CHOLINEPHOSPHOTRANSFERASE (EC 2.7.8.2) (SN-1,2- DIACYLG-  
 15 LYCEROL CHOLINEPHOSPHOTRANSFERASE) (CHOPT)//1.6e-22:122:39//SACCHAROMYCES CEREVI-  
 SIAE (BAKER'S YEAST)//P17898  
 F-OVARC1001611  
 F-OVARC1001615//HYPOTHETICAL 6.1 KD PROTEIN C03B1.10 IN CHROMOSOME X//0.30:43:34//  
 CAENORHABDITIS ELEGANS//Q11116  
 20 F-OVARC1001668/////ALU SUBFAMILY SC WARNING ENTRY /////1.0e-19:45:82//HOMO SAPIENS (HUMAN)//  
 P39192  
 F-OVARC1001702//SOX-20 PROTEIN//2.4e-28:71:83//HOMO SAPIENS (HUMAN)//O60248  
 F-OVARC1001703//INTERFERON-INDUCED GUANYLATE-BINDING PROTEIN 1 (GUANINE NUCLEOTIDE-  
 BINDING PROTEIN 1) (INTERFERON-GAMMA INDUCIBLE PROTEIN MAG-1)//0.00018:88:36//MUS MUSCU-  
 25 LUS (MOUSE)//Q01514  
 F-OVARC1001711//CORNIFIN B (SMALL PROLINE-RICH PROTEIN 1B) (SPR1B) (SPR1 B)//2.7e-05:98:32//  
 MUS MUSCULUS (MOUSE)//Q62267  
 F-OVARC1001713//ENDOZEPINE-RELATED PROTEIN PRECURSOR (MEMBRANE-ASSOCIATED DIAZEPAM  
 BINDING INHIBITOR) (MA-DBI)//4.5e-20:46:67//BOS TAURUS (BOVINE)//P07106  
 30 F-OVARC1001726//ALPHA-AMYLASE INHIBITOR PAIM I (PIG PANCREATIC ALPHA-AMYLASE INHIBITOR OF  
 MICROBES I)//0.59:23:56//STREPTOMYCES OLIVACEOVIRIDIS (STREPTOMYCES CORCHORUSII)//  
 P09921  
 F-OVARC1001731//TROPOMYOSIN ALPHA CHAIN, SKELETAL MUSCLE//2.1e-75:176:87//XENOPUS LAEVIS  
 (AFRICAN CLAWED FROG)//Q01173  
 35 F-OVARC1001745//GENE 11 PROTEIN//0.31:36:52//SPIROPLASMA VIRUS SPV1-R8A2 B//P15902  
 F-OVARC1001762//N-TERMINAL ACETYLTRANSFERASE 1 (EC 2.3.1.88) (AMINO-TERMINAL, ALPHA- AMI-  
 NO, ACETYLTRANSFERASE 1)//2.8e-23:197:35//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//  
 P12945  
 F-OVARC1001766//FK506-BINDING NUCLEAR PROTEIN (PEPTIDYL-PROLYL CIS-TRANS ISOMERASE)  
 40 (PPIASE) (EC 5.2.1.8) (PROLINE ROTAMASE) (NUCLEOLAR PROLINE ISOMERASE) (FKBP-70)//2.2e-06:99:  
 40//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38911  
 F-OVARC1001767//33.2 KD PROTEIN IN DIND-RPH INTERGENIC REGION (ORF X)//0.99:113:27//ES-  
 CHERICHIA COLI//P23839  
 F-OVARC1001768  
 45 F-OVARC1001791//HYPOTHETICAL 63.3 KD PROTEIN IN MPT5-SAE2 INTERGENIC REGION//0.090:75:32//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P46945  
 F-OVARC1001795//HYPOTHETICAL 7.5 KD PROTEIN IN RPBA-GP46 INTERGENIC REGION//0.81:21:38//  
 BACTERIOPHAGE T4//P07878  
 F-OVARC1001802//PLECTOXIN VIII (PLT-VIII) (PLTVIII)//0.41:19:36//PLECTREURYS TRISTIS (SPIDER)//  
 50 P36984  
 F-OVARC1001805//60S RIBOSOMAL PROTEIN L40 (CEP52)//0.67:24:58//SACCHAROMYCES CEREVISIAE  
 (BAKER'S YEAST)//P14796  
 F-OVARC1001809//COLLAGEN ALPHA 1(I) CHAIN (FRAGMENTS)//0.23:111:31//RATTUS NORVEGICUS  
 (RAT)//P02454  
 55 F-OVARC1001812//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//0.99:28:42//HALICHOERUS GRYPUS  
 (GRAY SEAL)//P38592  
 F-OVARC1001813//HYPOTHETICAL 9.9 KD PROTEIN//0.41:36:30//VACCINIA VIRUS (STRAIN COPENHA-  
 GEN)//P20562

F-OVARC1001820//HYPOTHETICAL PROTEIN ORF-1137//0.80:58:29//MUS MUSCULUS (MOUSE)//P11260  
 F-OVARC1001828  
 F-OVARC1001846  
 F-OVARC1001861//METALLOTHIONEIN (MT)//0.18:11:54//PLEURONECTES PLATESSA (PLAICE)//P07216  
 5 F-OVARC1001873  
 F-OVARC1001879//HYPOTHETICAL 55.9 KD PROTEIN EEED8.6 IN CHROMOSOME II//2.3e-05:73:31//  
 CAENORHABDITIS ELEGANS//Q09296  
 F-OVARC1001880//SALIVARY PROLINE-RICH PROTEIN PRECURSOR (CLONE CP7) [CONTAINS: BASIC  
 PEPTIDE P-F] (FRAGMENT)//2.4e-11:203:32//HOMO SAPIENS (HUMAN)//P02812  
 10 F-OVARC1001883//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!//2.3e-16:86:59//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-OVARC1001900//HYPOTHETICAL 105.9 KD PROTEIN F22B7.5 IN CHROMOSOME III//0.0053:48:47//  
 CAENORHABDITIS ELEGANS//P34408  
 F-OVARC1001901  
 15 F-OVARC1001911//40S RIBOSOMAL PROTEIN S28//1.0:33:36//ARABIDOPSIS THALIANA (MOUSE-EAR  
 CRESS)//P34789  
 F-OVARC1001916//PUTATIVE RHO/RAC GUANINE NUCLEOTIDE EXCHANGE FACTOR (RHO/RAC GEF) (FA-  
 CIOGENITAL DYSPLASIA PROTEIN)//0.00082:114:27//HOMO SAPIENS (HUMAN)//P98174  
 F-OVARC1001928//FERREDOXIN III (FDIII)//1.0:64:29//ANABAENA VARIABILIS//P46050  
 20 F-OVARC1001942//N-TERMINAL ACETYLTRANSFERASE 1 (EC 2.3.1.88) (AMINO-TERMINAL, ALPHA- AMI-  
 NO, ACETYLTRANSFERASE 1)//3.0e-07:93:37//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//  
 P12945  
 F-OVARC1001943//HYPOTHETICAL 62.2 KD PROTEIN ZK652.6 IN CHROMOSOME III//1.7e-23:147:43//  
 CAENORHABDITIS ELEGANS//P34664  
 25 F-OVARC1001949//ZINC FINGER PROTEIN 177//2.0e-23:56:66//HOMO SAPIENS (HUMAN)//Q13360  
 F-OVARC1001950//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!//0.011:57:47//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-OVARC1001987//SPERM PROTAMINE P1 (CYSTEINE-RICH PROTAMINE)//0.39:14:64//MUS MUSCULUS  
 (MOUSE)//P02319  
 30 F-OVARC1001989//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!//2.4e-13:55:72//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-OVARC1002044  
 F-OVARC1002050//UTROPHIN (DYSTROPHIN-RELATED PROTEIN 1) (DRP1) (DRP)//3.6e-12:221:25//HOMO  
 SAPIENS (HUMAN)//P46939  
 35 F-OVARC1002066  
 F-OVARC1002082  
 F-OVARC1002107//INTRACELLULAR PROTEIN TRANSPORT PROTEIN USO1//0.99:149:24//SACCHARO-  
 MYCES CEREVISIAE (BAKER'S YEAST)//P25386  
 F-OVARC1002112//HISTONE MACRO-H2A.1//2.8e-64:133:98//RATTUS NORVEGICUS (RAT)//Q02874  
 40 F-OVARC1002127//60S RIBOSOMAL PROTEIN L22//0.0023:95:35//DROSOPHILA MELANOGASTER (FRUIT  
 FLY)//P50887  
 F-OVARC1002138//PROBABLE 26S PROTEASE SUBUNIT YTA6 (TAT-BINDING HOMOLOG 6)//6.4e-51:198:  
 56//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40328  
 F-OVARC1002143  
 45 F-OVARC1002156//HYPOTHETICAL 27.7 KD PROTEIN IN CPT1-SPC98 INTERGENIC REGION//0.00010:64:  
 34//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53915  
 F-OVARC1002158//HYPOTHETICAL 24.1 KD PROTEIN IN LEF4-P33 INTERGENIC REGION//8.2e-07:119:35//  
 AUTOGRAPHIA CALIFORNICA NUCLEAR POLYHEDROSIS VIRUS (ACMPNV)//P41479  
 F-OVARC1002165//EBNA-6 NUCLEAR PROTEIN (EBNA-3C) (EBNA-4B)//0.00023:90:45//EPSTEIN-BARR VI-  
 50 RUS (STRAIN B95-8) (HUMAN HERPESVIRUS 4)//P03204  
 F-OVARC1002182//HYPOTHETICAL 46.2 KD TRP-ASP REPEATS CONTAINING PROTEIN D2013.2 IN CHRO-  
 MOSOME II//1.3e-34:165:35//CAENORHABDITIS ELEGANS//Q18964  
 F-PLACE1000004//HYPOTHETICAL 180.2 KD PROTEIN C31A2.05C IN CHROMOSOME I//8.8e-05:148:25//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09725  
 55 F-PLACE1000005//PROTEIN Q300//0.30:10:100//MUS MUSCULUS (MOUSE)//Q02722  
 F-PLACE1000007//PROBABLE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE R10E11.3 (EC 3.1.2.15)  
 (UBIQUITIN THIOLESTERASE) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE) (DEUBIQUITINATING EN-  
 ZYME)//2.3e-39:134:62//CAENORHABDITIS ELEGANS//P34547

# EP 1 074 617 A2

F-PLACE1000014//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A)) (RO(SS-A))//  
 0.00036:63:39//HOMO SAPIENS (HUMAN)//P19474  
 F-PLACE1000031  
 5 F-PLACE1000040//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/4.4e-12:97:41//HOMO SAPIENS (HUMAN)//  
 P39194  
 F-PLACE1000048//50S RIBOSOMAL PROTEIN L15 (FRAGMENT)//0.98:31:38//BACILLUS SP. (STRAIN C-  
 125)//P38373  
 F-PLACE1000050//COLLAGEN ALPHA 1(III) CHAIN//0.00062:190:33//BOS TAURUS (BOVINE)//P04258  
 F-PLACE1000061//60S RIBOSOMAL PROTEIN L37A//6.4e-19:51:86//GALLUS GALLUS (CHICKEN)//P32046  
 10 F-PLACE1000066//SSU72 PROTEIN//2.3e-39:165:49//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//  
 P53538  
 F-PLACE1000078//BAD PROTEIN (BCL-2 BINDING COMPONENT 6)//1.7e-06:21:95//HOMO SAPIENS (HU-  
 MAN)//Q92934  
 F-PLACE1000081//HOMEBOX PROTEIN HOX-A4 (HOX-1.4) (MH-3)//0.0053:146:33//MUS MUSCULUS  
 15 (MOUSE)//P06798  
 F-PLACE1000094  
 F-PLACE1000133//TRANSCRIPTION FACTOR BTF3 (RNA POLYMERASE B TRANSCRIPTION FACTOR 3)//  
 1.8e-62:158:81//HOMO SAPIENS (HUMAN)//P20290  
 F-PLACE1000142//ENOYL-COA HYDRATASE, MITOCHONDRIAL PRECURSOR (EC 4.2.1.17) (SHORT CHAIN  
 20 ENOYL-COA HYDRATASE) (SCEH) (ENOYL-COA HYDRATASE 1)//9.8e-12:104:34//HOMO SAPIENS (HU-  
 MAN)//P30084  
 F-PLACE1000184//AC PROTEIN//0.44:31:29//BACTERIOPHAGE T4//P18924  
 F-PLACE1000185//HYPOTHETICAL GLYCINE-RICH 49.6 KD PROTEIN CY130.10C PRECURSOR//0.11:48:  
 33//MYCOBACTERIUM TUBERCULOSIS//Q10637  
 25 F-PLACE1000213//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSI-  
 DASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE)//3.4e-05:194:26//SACCHAROMYCES CEREVISIAE  
 (BAKER'S YEAST)//P08640  
 F-PLACE1000214  
 F-PLACE1000236//PROCOLLAGEN ALPHA 1(I) CHAIN PRECURSOR//0.027:63:34//GALLUS GALLUS  
 30 (CHICKEN)//P02457  
 F-PLACE1000246//TEGUMENT PROTEIN (GENE 11 PROTEIN)//0.78:100:26//EQUINE HERPESVIRUS TYPE  
 4 (STRAIN 1942) (EHV-4) (EQUINE HERPESVIRUS TYPE 1 SUBTYPE 2)//Q00039  
 F-PLACE1000292  
 F-PLACE1000308//EARLY NODULIN 75 (N-75) (NGM-75) (FRAGMENT)//0.049:28:42//MEDICAGO SATIVA  
 35 (ALFALFA)//P11728  
 F-PLACE1000332  
 F-PLACE1000347//HYPOTHETICAL PROTEIN TP0420//0.15:24:54//TREPONEMA PALLIDUM//O83435  
 F-PLACE1000374//LYSOZYME C (EC 3.2.1.17) (1,4-BETA-N-ACETYLMURAMIDASE C)//1.0:63:25//ORYC-  
 TOLAGUS CUNICULUS (RABBIT)//P16973  
 40 F-PLACE1000380//MATING PROCESS PROTEIN MID2 (SERINE-RICH PROTEIN SMS1) (PROTEIN KINASE  
 A INTERFERENCE PROTEIN)//0.018:169:28//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P36027  
 F-PLACE1000383//MYOTUBULARIN//1.2e-65:215:57//HOMO SAPIENS (HUMAN)//Q13496  
 F-PLACE1000401//ELASTIN PRECURSOR (TROPOELASTIN)//0.00023:145:30//MUS MUSCULUS  
 (MOUSE)//P54320  
 45 F-PLACE1000406//54 KD NUCLEAR RNA-BINDING PROTEIN (P54(NRB))//3.4e-27:90:63//HOMO SAPIENS  
 (HUMAN)//Q15233  
 F-PLACE1000420//7,8-DIHYDRO-8-OXOGUANINE TRIPHOSPHATASE (EC 3.1.6.-) (8-OXO-DGTPASE)//4.7e-  
 07:134:29//MUS MUSCULUS (MOUSE)//P53368  
 F-PLACE1000421//HYPOTHETICAL 8.8 KD PROTEIN C11D3.01C IN CHROMOSOME I//0.48:72:27//  
 50 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q10080  
 F-PLACE1000424  
 F-PLACE1000435  
 F-PLACE1000444//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/2.0e-31:129:63//HOMO SAPIENS (HU-  
 MAN)//P39195  
 55 F-PLACE1000453//PROTEIN Q300//0.013:16:68//MUS MUSCULUS (MOUSE)//Q02722  
 F-PLACE1000481//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//0.14:63:36//HOMO SAPIENS (HU-  
 MAN)//P08547  
 F-PLACE1000492//BASP1 PROTEIN//0.17:114:28//HOMO SAPIENS (HUMAN)//P80723

F-PLACE1000540  
 F-PLACE1000547//MANNOSE-1-PHOSPHATE GUANYLTRANSFERASE (EC 2.7.7.13) (ATP-MANNOSE-1-PHOSPHATE GUANYLYLTRANSFERASE) (NDP-HEXOSE PYROPHOSPHORYLASE)//1.8e-21:87:56//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P41940  
 5 F-PLACE1000562//HYPOTHETICAL PROTEIN MJ0562//1.0:35:34//METHANOCOCCUS JANNASCHII//Q57982  
 F-PLACE1000564//ADRENAL SPECIFIC 30 KD PROTEIN (CLONE PG2)//0.13:66:37//HOMO SAPIENS (HUMAN)//P15803  
 10 F-PLACE1000583//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1)//7.0e-45:192:47//HOMO SAPIENS (HUMAN)//P51522  
 F-PLACE1000588//INTERFERON-INDUCED GUANYLATE-BINDING PROTEIN 1 (GUANINE NUCLEOTIDE-BINDING PROTEIN 1)//5.3e-63:122:88//HOMO SAPIENS (HUMAN)//P32455  
 F-PLACE1000596//RING CANAL PROTEIN (KELCH PROTEIN)//2.6e-12:120:38//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q04652  
 15 F-PLACE1000599//EARLY E3B 12.7 KD PROTEIN PRECURSOR//0.83:53:32//HUMAN ADENOVIRUS TYPE 12//P36707  
 F-PLACE1000610  
 F-PLACE1000611//HYPOTHETICAL 33.6 KD PROTEIN IN MCK1-RPS19B INTERGENIC REGION//9.4e-07:64:28//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P48558  
 20 F-PLACE1000636//MALE STERILITY PROTEIN 2//3.7e-09:83:43//ARABIDOPSIS THALIANA (MOUSE-EAR CRESS)//Q08891  
 F-PLACE1000653//PUTATIVE PHOSPHOACETYLGLUCOSAMINE MUTASE (EC 5.4.2.3) (ACETYLGLUCOSAMINE PHOSPHOMUTASE) (N-ACETYLGLUCOSAMINE-PHOSPHATE MUTASE)//1.9e-30:203:41//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09687  
 25 F-PLACE1000656//EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN)//0.0029:75:33//NICOTIANA TABACUM (COMMON TOBACCO)//P13983  
 F-PLACE1000706//TRANSCRIPTION INTERMEDIARY FACTOR 1-BETA (NUCLEAR COREPRESSOR KAP-1) (KRAB-ASSOCIATED PROTEIN 1)//1.1e-38:180:42//HOMO SAPIENS (HUMAN)//Q13263  
 F-PLACE1000712//VERY HYPOTHETICAL 8.9 KD PROTEIN CY441.05 PRECURSOR//0.93:49:34//MYCOBACTERIUM TUBERCULOSIS//P71934  
 30 F-PLACE1000716  
 F-PLACE1000748//HYPOTHETICAL 10.4 KD PROTEIN IN SPAT 3'REGION (ORF-11)//0.90:53:37//SHIGELLA FLEXNERI//P55794  
 F-PLACE1000749//HYPOTHETICAL PROTEIN MG148//0.0014:142:27//MYCOPLASMA GENITALIUM//P47394  
 35 F-PLACE1000755//HYPOTHETICAL HELICASE K12H4.8 IN CHROMOSOME III//1.1e-15:98:48//CAENORHABDITIS ELEGANS//P34529  
 F-PLACE1000769//VIGILIN//0.51:60:33//GALLUS GALLUS (CHICKEN)//P81021  
 F-PLACE1000785//PROBABLE COLD SHOCK PROTEIN CY15C10.04//1.0:22:45//MYCOBACTERIUM TUBERCULOSIS//O06360  
 40 F-PLACE1000786//HYPOTHETICAL 30.2 KD PROTEIN ZK632.12 IN CHROMOSOME III//2.6e-38:159:51//CAENORHABDITIS ELEGANS//P34657  
 F-PLACE1000793//VASODILATOR-STIMULATED PHOSPHOPROTEIN (VASP)//0.0097:128:30//HOMO SAPIENS (HUMAN)//P50552  
 45 F-PLACE1000798//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!//9.4e-07:47:61//HOMO SAPIENS (HUMAN)//P39188  
 F-PLACE1000841  
 F-PLACE1000849//ELAV PROTEIN//3.5e-05:140:35//DROSOPHILA VIRILIS (FRUIT FLY)//P23241  
 F-PLACE1000856//HYPOTHETICAL PROTEIN MJ0008//0.95:100:23//METHANOCOCCUS JANNASCHII//Q60319  
 50 F-PLACE1000863//PUTATIVE MITOCHONDRIAL 40S RIBOSOMAL PROTEIN YHR148W//2.3e-46:172:54//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P32899  
 F-PLACE1000909//ANKYRIN R (ANKYRINS 2.1 AND 2.2) (ERYTHROCYTE ANKYRIN)//0.00022:105:35//HOMO SAPIENS (HUMAN)//P16157  
 55 F-PLACE1000931//KILLER TOXIN HM-1//0.95:24:33//WILLIOPSIS MRAKII (YEAST) (HANSENULA MRAKII)//P10410  
 F-PLACE1000948//SL CYTOKINE PRECURSOR (FLT3 LIGAND)//0.97:52:40//HOMO SAPIENS (HUMAN)//P49771



F-PLACE1000972//MYOSIN ID HEAVY CHAIN.//1.9e-06:79:43//DICTYOSTELIUM DISCOIDEUM (SLIME MOLD).//P34109  
 F-PLACE1000977//HYPOTHETICAL 94.2 KD PROTEIN C38D4.5 IN CHROMOSOME III.//2.5e-23:105:41//CAENORHABDITIS ELEGANS.//P46941  
 5 F-PLACE1000979//ZINC FINGER PROTEIN 7 (ZINC FINGER PROTEIN KOX4) (ZINC FINGER PROTEIN HF. 16).//0.91:83:30//HOMO SAPIENS (HUMAN).//P17097  
 F-PLACE1000987//HYPOTHETICAL 111.5 KD PROTEIN C22G7.02 IN CHROMOSOME I.//0.10:128:24//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST).//Q09796  
 F-PLACE1001000  
 10 F-PLACE1001007//ZYXIN.//2.2e-05:135:30//GALLUS GALLUS (CHICKEN).//Q04584  
 F-PLACE1001010//BETA-1 BUNGAROTOXIN B CHAIN, MAJOR COMPONENT PRECURSOR (BUNGAROTOXIN, B1 CHAIN).//1.0:30:40//BUNGARUS MULTICINCTUS (MANY-BANDED KRAIT).//P00987  
 F-PLACE1001015  
 F-PLACE1001024  
 15 F-PLACE1001036  
 F-PLACE1001054//HOLOTRICIN 3 PRECURSOR.//0.0044:56:39//HOLOTRICHIA DIOMPHALIA.//Q25055  
 F-PLACE1001062//SACCHAROPINE DEHYDROGENASE [NADP+, L-GLUTAMATE FORMING] (EC 1.5.1.10).//0.0013:38:52//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P38999  
 F-PLACE1001076  
 20 F-PLACE1001088//EARLY NODULIN 75 (N-75) (NGM-75) (FRAGMENT).//0.95:32:50//MEDICAGO SATIVA (ALFALFA).//P11728  
 F-PLACE1001092//HYPOTHETICAL 49.0 KD PROTEIN IN NSP1-KAR2 INTERGENIC REGION.//0.0026:81:35//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P47057  
 F-PLACE1001104//HYPOTHETICAL 131.5 KD PROTEIN C02F12.7 IN CHROMOSOME X.//0.00063:125:32//CAENORHABDITIS ELEGANS.//Q11102  
 25 F-PLACE1001118//ZINC FINGER PROTEIN MLZ-4 (ZINC FINGER PROTEIN 46).//2.6e-77:209:63//MUS MUSCULUS (MOUSE).//Q03309  
 F-PLACE1001136//ALPHA-N-ACETYLGALACTOSAMINIDASE PRECURSOR (EC 3.2.1.49) (ALPHA-GALACTOSIDASE B).//0.99:107:30//HOMO SAPIENS (HUMAN).//P17050  
 30 F-PLACE1001168  
 F-PLACE1001171//RETROVIRUS-RELATED POLYPROTEIN (FRAGMENT).//0.00012:37:59//HOMO SAPIENS (HUMAN).//P12895  
 F-PLACE1001185//HYPOTHETICAL 56.6 KD PROTEIN IN URE2-SSU72 INTERGENIC REGION.//3.6e-12:88:36//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P53867  
 35 F-PLACE1001238  
 F-PLACE1001241//METALLOTHIONEIN B (MTB) (FRAGMENT).//0.13:30:53//COLINUS VIRGINIANUS (BOBWHITE QUAIL) (COMMON BOBWHITE).//P27087  
 F-PLACE1001257//RING CANAL PROTEIN (KELCH PROTEIN).//4.1e-24:125:46//DROSOPHILA MELANOGASTER (FRUIT FLY).//Q04652  
 40 F-PLACE1001272//HYPOTHETICAL PROTEIN IN KSGA 3'REGION (ORF L5) (FRAGMENT).//1.0:24:45//MYCOPLASMA CAPRICOLUM.//P43040  
 F-PLACE1001279//CYTOTOXIN 3 (CYTOTOXIN V-II-3).//0.98:31:41//NAJA MOSSAMBICA (MOZAMBIQUE COBRA).//P01470  
 F-PLACE1001280//PROCOLLAGEN ALPHA 1(II) CHAIN PRECURSOR [CONTAINS: CHONDROCALCIN].//0.0051:156:32//MUS MUSCULUS (MOUSE).//P28481  
 45 F-PLACE1001294//GAMETOGENESIS EXPRESSED PROTEIN GEG-154.//3.7e-56:109:93//MUS MUSCULUS (MOUSE).//P50636  
 F-PLACE1001304//ZINC FINGER PROTEIN 35 (ZFP-35).//3.2e-30:75:57//MUS MUSCULUS (MOUSE).//P15620  
 F-PLACE1001311//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!//2.7e-31:66:66//HOMO SAPIENS (HUMAN).//P39189  
 50 F-PLACE1001323  
 F-PLACE1001351//REV PROTEIN (ANTI-REPRESSION TRANSACTIVATOR PROTEIN) (ART/TRS).//0.11:66:27//SIMIAN IMMUNODEFICIENCY VIRUS (AGM155 ISOLATE) (SIV-AGM).//P27971  
 F-PLACE1001366//SHORT NEUROTOXIN 2 (TOXIN CM-14) (TOXIN V-N-12).//0.070:18:33//NAJA HAJE ANNU-LIFERA (BANDED EGYPTIAN COBRA).//P01422  
 55 F-PLACE1001377//DISINTEGRIN TRIGRAMIN BETA (PLATELET AGGREGATION ACTIVATION INHIBITOR).//4.9e-06:50:46//TRIMERESURUS GRAMINEUS (INDIAN GREEN TREE VIPER) (GREEN HABU SNAKE).//P17495

# EP 1 074 617 A2

F-PLACE1001383//M PROTEIN, SEROTYPE 49 PRECURSOR.//0.080:136:24//STREPTOCOCCUS PYO-  
 GENES.//P16947  
 F-PLACE1001384  
 F-PLACE1001387//EPIDERMAL GROWTH FACTOR RECEPTOR KINASE SUBSTRATE EPS8.//1.9e-22:142:  
 5 39//HOMO SAPIENS (HUMAN).//Q12929  
 F-PLACE1001395//HYPOTHETICAL 8.5 KD PROTEIN IN ASIA-MOTA INTERGENIC REGION.//0.98:67:34//  
 BACTERIOPHAGE T4.//P22917  
 F-PLACE1001399//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!//3.1e-32:47:74//HOMO SAPIENS (HUMAN).//  
 P39194  
 10 F-PLACE1001412//GLYCOPHORIN C (PAS-2') (GLYCOPROTEIN BETA) (GLPC) (GLYCOCONNECTIN)  
 (SIALOGLYCOPROTEIN D) (GLYCOPHORIN D) (GPD).//0.00021:125:36//HOMO SAPIENS (HUMAN).//P04921  
 F-PLACE1001414//CHYMOTRYPSIN/ELASTASE ISOINHIBITORS 2 TO 5.//0.99:37:35//ASCARIS SUUM (PIG  
 ROUNDWORM) (ASCARIS LUMBRICOIDES).//P07852  
 F-PLACE1001440//PROLINE-RICH PEPTIDE P-B.//0.35:16:50//HOMO SAPIENS (HUMAN).//P02814  
 15 F-PLACE1001456//RELAXIN.//0.48:38:36//BALAENOPTERA ACUTOROSTRATA (MINKE WHALE) (LESSER  
 RORQUAL).//P11184  
 F-PLACE1001468//HYPOTHETICAL PROTEIN MJ0602.//0.10:86:32//METHANOCOCCUS JANNASCHII.//  
 Q58019  
 F-PLACE1001484//HYPOTHETICAL 7.5 KD PROTEIN IN DNAC-RPLI INTERGENIC REGION.//1.0:47:34//BA-  
 20 CILLUS SUBTILIS.//P37480  
 F-PLACE1001502//COLLAGEN 1(X) CHAIN PRECURSOR.//0.00029:118:34//BOS TAURUS (BOVINE).//P23206  
 F-PLACE1001503//HYPOTHETICAL 77.3 KD PROTEIN T05G5.8 IN CHROMOSOME III.//2.2e-07:107:30//  
 CAENORHABDITIS ELEGANS.//P34561  
 F-PLACE1001517//SMALL PROTEIN INHIBITOR OF INSECT ALPHA-AMYLASES 2 (SI ALPHA-2).//0.56:22:45//  
 25 SORGHUM BICOLOR MILO (SORGHUM).//P21924  
 F-PLACE1001534//PUTATIVE GENE PROTEIN 54.//0.43:44:40//BACTERIOPHAGE SP01.//O48408  
 F-PLACE1001545//HYPOTHETICAL 7.9 KD PROTEIN IN CELF-KATE INTERGENIC REGION.//0.99:70:32//ES-  
 CHERICHIA COLI.//P37795  
 F-PLACE1001551//CHLOROPLAST 50S RIBOSOMAL PROTEIN L32.//1.0:66:28//MARCHANTIA POLYMOR-  
 30 PHA (LIVERWORT).//P12196  
 F-PLACE1001570//SYNAPTONEMAL COMPLEX PROTEIN 1 (SCP-1 PROTEIN).//0.024:120:27//HOMO SAPI-  
 ENS (HUMAN).//Q15431  
 F-PLACE1001602//CCR4-ASSOCIATED FACTOR 1 (CAF1).//1.1e-30:90:78//MUS MUSCULUS (MOUSE).//  
 Q60809  
 35 F-PLACE1001603//ACIDIC PROLINE-RICH PROTEIN PRECURSOR (CLONE PRP25) (FRAGMENT).//0.054:  
 77:33//RATTUS NORVEGICUS (RAT).//P10164  
 F-PLACE1001608  
 F-PLACE1001610//PROBABLE E4 PROTEIN.//0.90:58:29//HUMAN PAPILLOMAVIRUS TYPE 28.//P51896  
 F-PLACE1001611//METALLOTHIONEIN-IG (MT-1G).//0.35:30:40//HOMO SAPIENS (HUMAN).//P13640  
 40 F-PLACE1001632//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//3.6e-28:144:43//HOMO SA-  
 PIENS (HUMAN).//P51523  
 F-PLACE1001634//PHOTOSYSTEM II REACTION CENTRE N PROTEIN.//1.0:36:41//CYANIDIUM CALDARIUM  
 (GALDIERIA SULPHURARIA).//O19926  
 F-PLACE1001640//TAT PROTEIN (TRANSACTIVATING REGULATORY PROTEIN).//0.24:47:38//HUMAN IMMU-  
 45 NODEFICIENCY VIRUS TYPE 1 (NDK ISOLATE) (HIV-1).//P18804  
 F-PLACE1001672//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!//1.0:27:66//HOMO SAPIENS (HUMAN).//  
 P39188  
 F-PLACE1001691//HYPOTHETICAL 15.5 KD PROTEIN IN PIK1-POL2 INTERGENIC REGION.//0.40:81:33//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P53842  
 50 F-PLACE1001692//S-ACYL FATTY ACID SYNTHASE THIOESTERASE, MEDIUM CHAIN (EC 3.1.2.14)  
 (THIOESTERASE II).//8.3e-41:103:55//RATTUS NORVEGICUS (RAT).//P08635  
 F-PLACE1001705  
 F-PLACE1001716//HYPOTHETICAL 138.5 KD PROTEIN C17H9.01 IN CHROMOSOME L//6.1e-07:157:29//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST).//O13798  
 55 F-PLACE1001720  
 F-PLACE1001729//PROLINE-RICH PROTEIN MP-3 (FRAGMENT).//6.5e-05:196:32//MUS MUSCULUS  
 (MOUSE).//P05143  
 F-PLACE1001739//NEUROFILAMENT TRIPLET M PROTEIN (160 KD NEUROFILAMENT PROTEIN) (NF-M).//

0.00050:213:23//RATTUS NORVEGICUS (RAT)//P12839  
 F-PLACE1001740//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/2.4e-17:90:56//HOMO SAPIENS (HUMAN)//  
 P39188  
 5 F-PLACE1001745//HYPOTHETICAL PROTEIN KIAA0125//0.96:38:36//HOMO SAPIENS (HUMAN)//Q14138  
 F-PLACE1001746//CONGLUTIN DELTA-2 SMALL CHAIN//0.98:23:43//LUPINUS ANGUSTIFOLIUS (NARROW-  
 LEAVED BLUE LUPINE)//P09930  
 F-PLACE1001748//HYPOTHETICAL 99.0 KD PROTEIN SPBC119.17//2.9e-28:167:38//SCHIZOSACCHARO-  
 MYCES POMBE (FISSION YEAST)//O42908  
 10 F-PLACE1001756//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/9.2e-43:126:77//HOMO SAPIENS (HU-  
 MAN)//P39189  
 F-PLACE1001761//50S RIBOSOMAL PROTEIN L35//0.26:42:38//HELICOBACTER PYLORI (CAMPYLO-  
 BACTER PYLORI)//P56057  
 F-PLACE1001771//TRANSIENT-RECEPTOR-POTENTIAL LIKE PROTEIN//4.8e-35:223:40//DROSOPHILA  
 MELANOGASTER (FRUIT FLY)//P48994  
 15 F-PLACE1001781//HYPOTHETICAL 71.1 KD PROTEIN IN DSK2-CAT8 INTERGENIC REGION//9.5e-41:194:  
 46//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//Q03262  
 F-PLACE1001799  
 F-PLACE1001810  
 20 F-PLACE1001817//SUCCINYL-COA LIGASE [GDP-FORMING], BETA-CHAIN PRECURSOR (EC 6.2.1.4) (SUC-  
 CINYL-COA SYNTHETASE, BETA CHAIN) (SCS-BETA)//2.8e-40:115:61//NEOCALLIMASTIX FRONTALIS (RU-  
 MEN FUNGUS)//P53587  
 F-PLACE1001821  
 F-PLACE1001844//IG KAPPA CHAIN V-I REGION (HAU)//0.59:89:35//HOMO SAPIENS (HUMAN)//P01600  
 F-PLACE1001845  
 25 F-PLACE1001869//MPA43 PROTEIN//3.5e-14:153:33//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//  
 P53583  
 F-PLACE1001897//LIGATOXIN A//1.0:43:27//PHORADENDRON LIGA (ARGENTINE MISTLETOE)//P01540  
 F-PLACE1001912//LONG NEUROTOXIN 2 (TOXIN C)//0.57:44:45//ASTROTIA STOKESI (STOKES'S SEA  
 SNAKE) (DITEIRA STOKESI)//P01381  
 30 F-PLACE1001920//LATE GENES ACTIVATOR (EARLY PROTEIN GP4) (GPF)//0.89:75:29//BACTERIOPHAGE  
 NF//P09877  
 F-PLACE1001928  
 F-PLACE1001983//IMMEDIATE-EARLY PROTEIN IE180//0.0049:51:45//PSEUDORABIES VIRUS (STRAIN KA-  
 PLAN) (PRV)//P33479  
 35 F-PLACE1001989//PUTATIVE AMIDASE (EC 3.5.1.4)//8.9e-08:125:36//MORAXELLA CATARRHALIS//Q49091  
 F-PLACE1002004  
 F-PLACE1002046//LIGATIN (FRAGMENT)//1.6e-84:191:84//MUS MUSCULUS (MOUSE)//Q61211  
 F-PLACE1002052  
 F-PLACE1002066  
 40 F-PLACE1002072//ANTER-SPECIFIC PROLINE-RICH PROTEIN APG PRECURSOR//0.16:77:31//ARABIDOP-  
 SIS THALIANA (MOUSE-EAR CRESS)//P40602  
 F-PLACE1002073//HYPOTHETICAL 118.2 KD PROTEIN F43C1.1 IN CHROMOSOME III//4.0e-11:174:28//  
 CAENORHABDITIS ELEGANS//Q09564  
 F-PLACE1002090//SIGNAL RECOGNITION PARTICLE 72 KD PROTEIN (SRP72)//2.8e-57:112:99//HOMO SA-  
 45 PIENS (HUMAN)//O76094  
 F-PLACE1002115//P8 MTCP-1 PROTEIN (MATURE T-CELL PROLIFERATION-1 TYPE A) (MTCP-1 TYPE A)  
 (P8MTCP1)//1.0:49:30//MUS MUSCULUS (MOUSE)//Q61908  
 F-PLACE1002119//T-LYMPHOCYTE ACTIVATED PROTEIN (CYCLOHEXIMIDE-INDUCED) (CHX1) (IMMEDI-  
 ATE EARLY RESPONSE 2 PROTEIN)//2.7e-11:118:36//MUS MUSCULUS (MOUSE)//P17950  
 50 F-PLACE1002140//HYPOTHETICAL 12.3 KD PROTEIN IN MOBL 3'REGION (ORF 4)//0.0086:39:46//THIOBA-  
 CILLUS FERROOXIDANS//P20088  
 F-PLACE1002150  
 F-PLACE1002157//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/2.4e-34:56:82//HOMO SAPIENS (HUMAN)//  
 P39189  
 55 F-PLACE1002163//NEUROTOXIN 1//1.0:17:52//CENTRUROIDES SCULPTURATUS (BARK SCORPION)//  
 P01492  
 F-PLACE1002170  
 F-PLACE1002171//TRANSCRIPTION REGULATORY PROTEIN SWI3 (SWI/SNF COMPLEX COMPONENT

SWI3) (TRANSCRIPTION FACTOR  
 TYE2).//0.00023:179:23//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P32591  
 F-PLACE1002205//HYPOTHETICAL 13.5 KD PROTEIN IN MOB1-SGA1 INTERGENIC REGION.//0.77:21:47//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P40490  
 5 F-PLACE1002213//HISTONE H4 (FRAGMENT).//0.62:31:32//BLEPHARISMA JAPONICUM.//P80738  
 F-PLACE1002227//HYPOTHETICAL 7.9 KD PROTEIN IN FIXW 5'REGION.//0.41:49:36//RHIZOBIUM LEGUMI-  
 NOSARUM.//P14310  
 F-PLACE1002256//CYTOCHROME B (EC 1.10.2.2).//0.61:95:29//CAENORHABDITIS ELEGANS.//P24890  
 F-PLACE1002259//HYPOTHETICAL 9.2 KD PROTEIN IN SPS1-QCR7 INTERGENIC REGION.//0.99:22:45//  
 10 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P56508  
 F-PLACE1002319//HYPOTHETICAL 56.6 KD PROTEIN IN URE2-SSU72 INTERGENIC REGION.//0.91:18:72//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P53867  
 F-PLACE1002342//HYPOTHETICAL PROTEIN C16.//1.0:53:32//SWINEPOX VIRUS (STRAIN KASZA) (SPV).//  
 P32219  
 15 F-PLACE1002395//CIRCUMSPOROZOITE PROTEIN PRECURSOR (CS).//6.4e-05:127:37//PLASMODIUM  
 VIVAX.//P08677  
 F-PLACE1002399  
 F-PLACE1002433//DYNACTIN, 150 KD ISOFORM (150 KD DYNEIN-ASSOCIATED POLYPEPTIDE) (DP-150)  
 (DAP-150) (P150-GLUED).//0.00094:182:25//RATTUS NORVEGICUS (RAT).//P28023  
 20 F-PLACE1002437//ATP-BINDING CASSETTE TRANSPORTER 1.//4.5e-19:62:77//MUS MUSCULUS  
 (MOUSE).//P41233  
 F-PLACE1002438//HYPOTHETICAL 141.5 KD ZINC FINGER PROTEIN IN TUB1-CPR3 INTERGENIC RE-  
 GION.//0.014:63:34//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//Q04545  
 F-PLACE1002450//OOCYTE ZINC FINGER PROTEIN XLCOF6 (FRAGMENT).//3.9e-28:159:38//XENOPUS  
 25 LAEVIS (AFRICAN CLAWED FROG).//P18749  
 F-PLACE1002465//LARIAT DEBRANCHING ENZYME (EC 3.1.-.-).//0.0014:148:28//SCHIZOSACCHAROMY-  
 CES POMBE (FISSION YEAST).//O13765  
 F-PLACE1002474//FIBRILLIN 2 PRECURSOR.//2.1e-24:203:33//MUS MUSCULUS (MOUSE).//Q61555  
 F-PLACE1002477//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!//0.15:65:41//HOMO SAPIENS (HUMAN).//  
 30 P39193  
 F-PLACE1002493//SEMENOGELIN II PRECURSOR (SGII).//1.0:72:31//MACACA MULATTA (RHESUS  
 MACAQUE).//Q95196  
 F-PLACE1002499//HYPOTHETICAL 39.3 KD PROTEIN C02B8.6 IN CHROMOSOME X.//2.9e-11:67:35//  
 CAENORHABDITIS ELEGANS.//Q11096  
 35 F-PLACE1002500//COBALT-ZINC-CADMIUM RESISTANCE PROTEIN CZCD (CATION EFFLUX SYSTEM PRO-  
 TEIN CZCD).//8.4e-11:143:32//ALCALIGENES EUTROPHUS.//P13512  
 F-PLACE1002514//HYPOTHETICAL 8.1 KD PROTEIN IN SPEA-METK INTERGENIC REGION (O71).//1.0:15:  
 60//ESCHERICHIA COLI.//P46878  
 F-PLACE1002529  
 40 F-PLACE1002532//HOMEBOX PROTEIN DLX-5.//1.1e-76:183:81//MUS MUSCULUS (MOUSE).//P70396  
 F-PLACE1002537//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!//2.6e-18:51:86//HOMO SAPIENS (HUMAN).//  
 P39195  
 F-PLACE1002571//ACTIN-LIKE PROTEIN 13E.//6.0e-56:140:47//DROSOPHILA MELANOGASTER (FRUIT  
 FLY).//P45890  
 45 F-PLACE1002578  
 F-PLACE1002583  
 F-PLACE1002591//CORONIN-LIKE PROTEIN P57.//5.5e-26:78:69//BOS TAURUS (BOVINE).//Q92176  
 F-PLACE1002598  
 F-PLACE1002604  
 50 F-PLACE1002625//HYPOTHETICAL 180.2 KD PROTEIN IN FAA4-HOR7 INTERGENIC REGION.//6.4e-08:193:  
 23//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//Q04781  
 F-PLACE1002655//ADSEVERIN (GELSOLIN-LIKE PROTEIN).//7.1e-100:210:89//MUS MUSCULUS (MOUSE).//  
 Q60604  
 F-PLACE1002665//MOBILIZATION PROTEIN MOBS.//0.35:60:30//THIOBACILLUS FERROOXIDANS.//P20086  
 55 F-PLACE1002685//ACTIN BINDING PROTEIN.//0.052:115:29//SACCHAROMYCES EXIGUUS (YEAST).//  
 P38479  
 F-PLACE1002714//CIS-GOLGI MATRIX PROTEIN GM130.//1.8e-06:214:30//RATTUS NORVEGICUS (RAT).//  
 Q62839

F-PLACE1002722//THROMBIN RECEPTOR PRECURSOR.//2.0e-19:134:38//XENOPUS LAEVIS (AFRICAN CLAWED FROG).//P47749  
 F-PLACE1002768//FOLLICLE STIMULATING HORMONE RECEPTOR PRECURSOR (FSH-R) (FOLLITROPIN RECEPTOR) (FRAGMENT).//0.43:40:35//MUS MUSCULUS (MOUSE).//P35378  
 5 F-PLACE1002772  
 F-PLACE1002775//CENTROMERE/MICROTUBULE BINDING PROTEIN CBF5 (CENTROMERE-BINDING FACTOR 5) (NUCLEOLAR PROTEIN CBF5).//4.8e-07:96:29//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST).//O14007  
 10 F-PLACE1002782//COBALT-ZINC-CADMIUM RESISTANCE PROTEIN CZCD (CATION EFFLUX SYSTEM PROTEIN CZCD).//1.1e-07:114:35//ALCALIGENES EUTROPHUS.//P13512  
 F-PLACE1002794//CUTICLE COLLAGEN 12 PRECURSOR.//0.0068:98:39//CAENORHABDITIS ELEGANS.//P20630  
 F-PLACE1002811//CYCLIN-DEPENDENT KINASE 6 INHIBITOR (P18-INK6) (CYCLIN-DEPENDENT KINASE 4 INHIBITOR C) (P18-INK4C).//1.1e-09:137:34//MUS MUSCULUS (MOUSE).//Q60772  
 15 F-PLACE1002815//C-HORDEIN (CLONE PC HOR1-3) (FRAGMENT).//0.46:35:42//HORDEUM VULGARE (BARLEY).//P17991  
 F-PLACE1002816//HYPOTHETICAL PROTEIN KIAA0288 (HA6116).//1.0e-86:201:74//HOMO SAPIENS (HUMAN).//P56524  
 F-PLACE1002834//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1).//1.6e-30:54:96//HOMO SAPIENS (HUMAN).//P51522  
 20 F-PLACE1002839//METALLOTHIONEIN-I (MT-I).//1.0:43:37//MUS MUSCULUS (MOUSE).//P02802  
 F-PLACE1002851//BOWMAN-BIRK TYPE PROTEINASE INHIBITOR (VAI).//0.77:35:37//VICIA ANGUSTIFOLIA (COMMON VETCH).//P01065  
 F-PLACE1002853//HYPOTHETICAL 7.9 KD PROTEIN IN PE 5'REGION (ORF1).//1.0:18:55//LYMANTRIA DISPAR MULTICAPSID NUCLEAR POLYHEDROSIS VIRUS (LDMNPV).//P36866  
 25 F-PLACE1002881//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/4.1e-27:91:70//HOMO SAPIENS (HUMAN).//P39188  
 F-PLACE1002908//HYPOTHETICAL 33.8 KD PROTEIN R10E11.4 IN CHROMOSOME III.//2.0e-31:148:46//CAENORHABDITIS ELEGANS.//P34548  
 30 F-PLACE1002941//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/2.6e-11:40:85//HOMO SAPIENS (HUMAN).//P39195  
 F-PLACE1002962//ENDOTHELIN-1 PRECURSOR (ET-1) (FRAGMENT).//0.90:38:36//CANIS FAMILIARIS (DOG).//P13206  
 F-PLACE1002968//TOXIN IV-5 PRECURSOR (TITYUSTOXIN) (FRAGMENT).//0.97:26:38//TITYUS SERRULATUS (BRAZILIAN SCORPION).//P01496  
 35 F-PLACE1002991//PUTATIVE AMIDASE (EC 3.5.1.4).//3.3e-20:120:41//METHANOCOCCUS JANNASCHII.//Q58560  
 F-PLACE1002993//HYPOTHETICAL 17.8 KD PROTEIN IN SMPA-SMPB INTERGENIC REGION (F158).//0.00045:93:23//ESCHERICHIA COLI.//P52121  
 40 F-PLACE1002996//PUTATIVE REGULATORY PROTEIN TSC-22 (TGFB STIMULATED CLONE 22 HOMOLOG).//0.17:91:29//GALLUS GALLUS (CHICKEN).//Q91012  
 F-PLACE1003025//SUPPRESSOR PROTEIN SRP40.//0.0079:214:24//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P32583  
 F-PLACE1003027//HYPOTHETICAL 128.6 KD PROTEIN ZK1098.10 IN CHROMOSOME III.//1.3e-49:167:63//CAENORHABDITIS ELEGANS.//P34609  
 45 F-PLACE1003044//SPORE COAT PROTEIN D.//0.97:24:45//BACILLUS SUBTILIS.//P07791  
 F-PLACE1003045  
 F-PLACE1003092  
 F-PLACE1003100//HEP27 PROTEIN (PROTEIN D).//3.9e-51:188:57//HOMO SAPIENS (HUMAN).//Q13268  
 50 F-PLACE1003108  
 F-PLACE1003136  
 F-PLACE1003145//BUTYROPHILIN PRECURSOR (BT).//0.00024:170:24//BOS TAURUS (BOVINE).//P18892  
 F-PLACE1003153//HUNCHBACK PROTEIN (FRAGMENT).//1.0:32:37//LOCUSTA MIGRATORIA (MIGRATORY LOCUST).//Q01777  
 55 F-PLACE1003174//UBIQUITIN-CONJUGATING ENZYME E2-18 KD (EC 6.3.2.19) (UBIQUITIN- PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) (PM42).//6.3e-05:54:38//ARABIDOPSIS THALIANA (MOUSE-EAR CRESS).//P42743  
 F-PLACE1003176//HYPOTHETICAL 62.3 KD PROTEIN IN PCS60-ABD1 INTERGENIC REGION.//0.24:74:36//

SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38319  
 F-PLACE1003190//SOF1 PROTEIN//1.0e-52:158:41//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//  
 P33750  
 F-PLACE1003200  
 5 F-PLACE1003205//SPERM PROTAMINE P1 //0.074:20:45//CAENOLESTES FULIGINOSUS //P42131  
 F-PLACE1003238//PROBABLE G PROTEIN-COUPLED RECEPTOR KIAA0001 //0.013:20:55//HOMO SAPIENS  
 (HUMAN)//Q15391  
 F-PLACE1003249//HYPOTHETICAL PROTEIN KIAA0125 //0.98:48:37//HOMO SAPIENS (HUMAN)//Q14138  
 F-PLACE1003256//OMEGA-CONOTOXINS GVIA, GVIB AND GVIC PRECURSOR (SHAKER PEPTIDE)//0.84:  
 10 53:30//CONUS GEOGRAPHUS (GEOGRAPHY CONE)//P01522  
 F-PLACE1003258//EARLY EMBRYOGENESIS ZYG-11 PROTEIN//4.1e-18:70:47//CAENORHABDITIS ELE-  
 GANS//P21541  
 F-PLACE1003296//SPECTRIN BETA CHAIN, ERYTHROCYTE//0.063:160:24//HOMO SAPIENS (HUMAN)//  
 P11277  
 15 F-PLACE1003302//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1)//9.4e-69:84:94//HOMO SAPI-  
 ENS (HUMAN)//P51522  
 F-PLACE1003334//NUCLEOBINDIN PRECURSOR (NUCB1) (BONE 63 KD CALCIUM-BINDING PROTEIN)//  
 0.029:125:24//RATTUS NORVEGICUS (RAT)//Q63083  
 F-PLACE1003342//MALE SPECIFIC SPERM PROTEIN MST84DB//0.97:44:40//DROSOPHILA MELA-  
 20 NOGASTER (FRUIT FLY)//Q01643  
 F-PLACE1003343//GENE 11 PROTEIN//1.0:37:37//SPIROPLASMA VIRUS SPV1-R8A2 B//P15902  
 F-PLACE1003353//SH2/SH3 ADAPTOR CRK (ADAPTER MOLECULE CRK) (CRK2)//6.4e-05:69:40//XENOPUS  
 LAEVIS (AFRICAN CLAWED FROG)//P87378  
 F-PLACE1003361//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/1.6e-23:66:75//HOMO SAPIENS (HUMAN)//  
 25 P39192  
 F-PLACE1003366//SMALL PROLINE-RICH PROTEIN 2-1 //0.62:19:57//HOMO SAPIENS (HUMAN)//P35326  
 F-PLACE1003369//A-AGGLUTININ ATTACHMENT SUBUNIT PRECURSOR//4.3e-06:102:42//SACCHAROMY-  
 CES CEREVISIAE (BAKER'S YEAST)//P32323  
 F-PLACE1003373//PROTEIN Q300//0.042:29:37//MUS MUSCULUS (MOUSE)//Q02722  
 30 F-PLACE1003375//OLFACTORY RECEPTOR 11 (M49) (FRAGMENT)//0.99:46:34//MUS MUSCULUS  
 (MOUSE)//Q60890  
 F-PLACE1003383  
 F-PLACE1003394//RAS-RELATED PROTEIN RAB-14//2.8e-80:166:89//RATTUS NORVEGICUS (RAT)//  
 P35287  
 35 F-PLACE1003401  
 F-PLACE1003420//PUTATIVE MITOCHONDRIAL CARRIER YIL006W//8.1e-17:138:37//SACCHAROMYCES  
 CEREVISIAE (BAKER'S YEAST)//P40556  
 F-PLACE1003454  
 F-PLACE1003478  
 40 F-PLACE1003493//ENDOTHELIAL CELL MULTIMERIN PRECURSOR//3.4e-11:123:32//HOMO SAPIENS (HU-  
 MAN)//Q13201  
 F-PLACE1003516//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//1.0e-32:68:76//HOMO SAPIENS (HU-  
 MAN)//P08547  
 F-PLACE1003519//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/9.2e-17:77:50//HOMO SAPIENS (HUMAN)//  
 45 P39188  
 F-PLACE1003521//HYPOTHETICAL BAMHI-ORF9 PROTEIN//1.0:38:42//FOWLPOX VIRUS (ISOLATE HP-438  
 [MUNICH])//P14366  
 F-PLACE1003528//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//0.96:32:40//XENOPUS LAEVIS (AFRI-  
 CAN CLAWED FROG)//P03931  
 50 F-PLACE1003537//CEF PROTEIN//0.92:47:29//BACTERIOPHAGE T4//Q01436  
 F-PLACE1003553  
 F-PLACE1003566//HYPOTHETICAL BAMHI-ORF9 PROTEIN//1.0:32:34//FOWLPOX VIRUS (ISOLATE HP-438  
 [MUNICH])//P14366  
 F-PLACE1003575  
 55 F-PLACE1003583//PROBABLE E5 PROTEIN//0.16:64:31//HUMAN PAPILLOMAVIRUS TYPE 35//P27226  
 F-PLACE1003584  
 F-PLACE1003592//EXCISIONASE//0.26:19:52//BACTERIOPHAGE PHI-80//P05998  
 F-PLACE1003593//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//1.0:42:30//OVIS ARIES (SHEEP)//

O78751  
 F-PLACE1003596//OLIGOSACCHARYL TRANSFERASE STT3 SUBUNIT HOMOLOG.//6.3e-87:238:67//  
 CAENORHABDITIS ELEGANS.//P46975  
 F-PLACE1003602//HYPOTHETICAL 11.0 KD PROTEIN IN FAA3-MAS3 INTERGENIC REGION.//8.4e-17:98:42//  
 5 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P40554  
 F-PLACE1003605//HAP5 TRANSCRIPTIONAL ACTIVATOR.//2.0e-09:82:35//SACCHAROMYCES CEREVISIAE  
 (BAKER'S YEAST).//Q02516  
 F-PLACE1003611//PANCREATIC SECRETORY TRYPSIN INHIBITOR.//0.99:32:43//CANIS FAMILIARIS  
 (DOG).//P04542  
 10 F-PLACE1003618//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG.//4.7e-65:229:58//HOMO SAPIENS (HU-  
 MAN).//P08547  
 F-PLACE1003625//30S RIBOSOMAL PROTEIN S20 (FRAGMENT).//1.0:56:26//PROTEUS MIRABILIS.//P42275  
 F-PLACE1003638//PROTEIN Q300.//0.079:41:39//MUS MUSCULUS (MOUSE).//Q02722  
 F-PLACE1003669//TRICHOHYALIN.//2.9e-07:180:30//OVIS ARIES (SHEEP).//P22793  
 15 F-PLACE1003704//SPLICING FACTOR, ARGININE/SERINE-RICH 4 (PRE-MRNA SPLICING FACTOR  
 SRP75).//3.3e-16:98:40//HOMO SAPIENS (HUMAN).//Q08170  
 F-PLACE1003709//HYPOTHETICAL 59.5 KD PROTEIN IN CCT3-CCT8 INTERGENIC REGION.//2.8e-07:128:  
 27//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P47074  
 F-PLACE1003711//ALPHA/BETA-GLIADIN PRECURSOR (PROLAMIN) (CLASS A-IV).//5.0e-05:88:30//TRITI-  
 20 CUM AESTIVUM (WHEAT).//P04724  
 F-PLACE1003723//TYROSINE-PROTEIN KINASE SRM (EC 2.7.1.112) (PTK70).//6.0e-06:98:36//MUS MUSCU-  
 LUS (MOUSE).//Q62270  
 F-PLACE1003738//OOCYTE ZINC FINGER PROTEIN XLCOF6 (FRAGMENT).//2.5e-45:147:46//XENOPUS  
 LAEVIS (AFRICAN CLAWED FROG).//P18749  
 25 F-PLACE1003760//CYTOCHROME B (EC 1.10.2.2).//0.91:49:34//TRYPANOSOMA BRUCEI BRUCEI.//P00164  
 F-PLACE1003762//METALLOTHIONEIN-LIKE PROTEIN TYPE 2.//0.98:28:32//MALUS DOMESTICA (APPLE)  
 (MALUS SYLVESTRIS).//O24058  
 F-PLACE1003768//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG.//8.5e-19:123:37//HOMO SAPIENS (HU-  
 MAN).//P08547  
 30 F-PLACE1003771  
 F-PLACE1003783//SRY-RELATED PROTEIN ADW2 (FRAGMENT).//1.0:29:37//ALLIGATOR MISSISSIPPIEN-  
 SIS (AMERICAN ALLIGATOR).//P40634  
 F-PLACE1003784//HYPOTHETICAL 98.1 KD PROTEIN IN SPX19-GCR2 INTERGENIC REGION.//1.2e-13:199:  
 28//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P40164  
 35 F-PLACE1003795//EC PROTEIN I/II (ZINC-METALLOTHIONEIN CLASS II).//0.67:53:30//TRITICUM AESTIVUM  
 (WHEAT).//P30569  
 F-PLACE1003833//METHIONYL-TRNA FORMYLTRANSFERASE (EC 2.1.2.9).//0.99:158:28//THERMUS  
 AQUATICUS (SUBSP. THERMOPHILUS).//P43523  
 F-PLACE1003850  
 40 F-PLACE1003858//HUNCHBACK PROTEIN (FRAGMENT).//0.37:28:42//LITHOBIUS FORFICATUS.//Q02030  
 F-PLACE1003864//OUTER MEMBRANE LIPOPROTEIN LOLB PRECURSOR.//0.0046:116:31//ACTINOBACIL-  
 LUS ACTINOMYCETEMCOMITANS (HAEMOPHILUS ACTINOMYCETEMCOMITANS).//O52727  
 F-PLACE1003870  
 F-PLACE1003885//POLY(A) POLYMERASE (EC 2.7.7.19) (PAP) (POLYNUCLEOTIDE ADENYLYLTRANS-  
 45 FERASE) (FRAGMENT).//1.6e-92:166:75//HOMO SAPIENS (HUMAN).//P51003  
 F-PLACE1003886//IMMEDIATE-EARLY PROTEIN IE180.//0.54:96:34//PSEUDORABIES VIRUS (STRAIN INDI-  
 ANA-FUNKHAUSER / BECKER) (PRV).//P11675  
 F-PLACE1003888//1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE DELTA 1 (EC  
 3.1.4.11) (PLC-DELTA-1) (PHOSPHOLIPASE C-DELTA-1) (PLC-III) (FRAGMENT).//8.8e-54:260:46//BOS TAU-  
 50 RUS (BOVINE).//P10895  
 F-PLACE1003892//PROBABLE E5 PROTEIN.//1.0:13:61//HUMAN PAPILLOMAVIRUS TYPE 18.//P06792  
 F-PLACE1003900//BETA-FRUCTOFURANOSIDASE, SOLUBLE ISOENZYME I (EC 3.2.1.26) (SUCROSE-6-  
 PHOSPHATE HYDROLASE) (INVERTASE) (FRAGMENTS).//0.58:49:36//DAUCUS CAROTA (CARROT).//  
 P80065  
 55 F-PLACE1003903//CTP SYNTHASE (EC 6.3.4.2) (UTP--AMMONIA LIGASE) (CTP SYNTHETASE).//3.8e-52:92:  
 85//HOMO SAPIENS (HUMAN).//P17812  
 F-PLACE1003915//PROBABLE ARGINYL-TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.19) (ARGININE-  
 -TRNA LIGASE) (ARGRS).//2.6e-26:202:36//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//Q05506

- F-PLACE1003923//HISTIDYL-TRNA SYNTHETASE (EC 6.1.1.21) (HISTIDINE--TRNA LIGASE) (HISRS)//0.94:65:29//STREPTOCOCCUS EQUISIMILIS//P30053
- F-PLACE1003932//HYPOTHETICAL 17.3 KD PROTEIN IN SEC15-SAP4 INTERGENIC REGION//0.098:79:31//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53074
- 5 F-PLACE1003936
- F-PLACE1003968//5'-AMP-ACTIVATED PROTEIN KINASE, GAMMA-1 SUBUNIT (AMPK GAMMA-1 CHAIN)//4.7e-68:164:78//RATTUS NORVEGICUS (RAT)//P80385
- F-PLACE1004103//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/1.9e-14:60:73//HOMO SAPIENS (HUMAN)//P39192
- 10 F-PLACE1004104//EXOCYST COMPLEX COMPONENT SEC5//0.020:202:20//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P89102
- F-PLACE1004114//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/2.1e-15:69:60//HOMO SAPIENS (HUMAN)//P39188
- F-PLACE1004118//REGULATORY PROTEIN E2//0.73:58:36//CANINE ORAL PAPILLOMAVIRUS (COPV)//Q89420
- 15 F-PLACE1004128//GUANINE NUCLEOTIDE-BINDING PROTEIN BETA SUBUNIT 4 (TRANSDUCIN BETA CHAIN 4)//7.7e-62:108:100//MUS MUSCULUS (MOUSE)//P29387
- F-PLACE1004149//PROBABLE NUCLEAR ANTIGEN//0.0011:73:42//PSEUDORABIES VIRUS (STRAIN KAPLAN) (PRV)//P33485
- 20 F-PLACE1004156//HYPOTHETICAL PROLINE-RICH PROTEIN (FRAGMENT)//0.00061:39:48//OWENIA FUSIFORMIS//P21260
- F-PLACE1004161//PLASMINOGEN-BINDING PROTEIN PAM PRECURSOR (FRAGMENT)//0.033:108:27//STREPTOCOCCUS PYOGENES//P49054
- F-PLACE1004183//HYPOTHETICAL 64.3 KD PROTEIN IN CDC12-ERP5 INTERGENIC REGION//4.0e-07:146:35//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38817
- 25 F-PLACE1004197//BUTYROPHILIN PRECURSOR (BT)//5.9e-11:208:27//MUS MUSCULUS (MOUSE)//Q62556
- F-PLACE1004203//PROTEIN A39//8.5e-18:139:33//VACCINIA VIRUS (STRAIN COPENHAGEN)//P21062
- F-PLACE1004242//PHOTOSYSTEM II REACTION CENTRE J PROTEIN//1.0:28:42//PISUM SATIVUM (GARDEN PEA)//P13555
- 30 F-PLACE1004256//MYOSIN HEAVY CHAIN D (MHC D)//0.73:134:25//CAENORHABDITIS ELEGANS//P02567
- F-PLACE1004257//HYPOTHETICAL PROTEIN HI0490//0.13:75:29//HAEMOPHILUS INFLUENZAE//P44006
- F-PLACE1004258//COLLAGEN ALPHA 2(VIII) CHAIN (ENDOTHELIAL COLLAGEN) (FRAGMENT)//0.027:128:35//HOMO SAPIENS (HUMAN)//P25067
- 35 F-PLACE1004270//LARGE TEGUMENT PROTEIN//1.8e-10:100:44//EPSTEIN-BARR VIRUS (STRAIN B95-8) (HUMAN HERPESVIRUS 4)//P03186
- F-PLACE1004274//HYPOTHETICAL PROTEIN E-95//0.44:61:42//HUMAN ADENOVIRUS TYPE 2//P03286
- F-PLACE1004277//COLLAGEN ALPHA 1(XII) CHAIN (FRAGMENTS)//0.0013:55:38//BOS TAURUS (BOVINE)//P25508
- 40 F-PLACE1004284//7 KD PROTEIN (ORF 4)//1.0:63:23//CHRYSANthemUM VIRUS B (CVB)//P37990
- F-PLACE1004289//SPERM PROTAMINE P3//0.00057:22:77//MUS MUSCULUS (MOUSE)//Q62100
- F-PLACE1004302//SERINE/THREONINE PROTEIN KINASE AFSK (EC 2.7.1.-)//0.0065:148:29//STREPTOMYCES COELICOLOR//P54741
- 45 F-PLACE1004316//AUTOPHAGY PROTEIN APG5//8.8e-06:117:29//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//Q12380
- F-PLACE1004336//COLLAGEN ALPHA 4(IV) CHAIN PRECURSOR//0.0027:83:36//HOMO SAPIENS (HUMAN)//P53420
- F-PLACE1004358//PROCOLLAGEN ALPHA 1(I) CHAIN PRECURSOR//2.9e-05:200:33//GALLUS GALLUS (CHICKEN)//P02457
- 50 F-PLACE1004376//AXONEME-ASSOCIATED PROTEIN MST101(2)//2.4e-05:179:29//DROSOPHILA HYDEI (FRUIT FLY)//Q08696
- F-PLACE1004384//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/1.6e-28:46:76//HOMO SAPIENS (HUMAN)//P39194
- F-PLACE1004388//HYPOTHETICAL 75.2 KD PROTEIN IN ACS1-GCV3 INTERGENIC REGION//5.7e-34:202:37//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P39722
- 55 F-PLACE1004405//NEURAMINYLLACTOSE-BINDING HEMAGGLUTININ (N-ACETYLLNEURAMINYLLACTOSE-BINDING FIBRILLAR HEMAGGLUTININ RECEPTOR-BINDING SUBUNIT) (NLBH) (FLAGELLAR SHEATH ADHESIN) (ADHESIN A) (FRAGMENT)//0.93:74:33//HELICOBACTER ACINONYX//Q47947



F-PLACE1004425//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/0.81:70:42//HOMO SAPIENS (HUMAN)//  
 P39195  
 F-PLACE1004428//PRISTANOYL-COA OXIDASE (EC 1.3.3.-)//1.9e-31:203:39//RATTUS NORVEGICUS  
 (RAT)//Q63448  
 5 F-PLACE1004437//ISOCITRATE DEHYDROGENASE [NAD], MITOCHONDRIAL SUBUNIT BETA PRECURSOR  
 (EC 1.1.1.41) (ISOCITRIC DEHYDROGENASE) (NAD<sup>+</sup>-SPECIFIC ICDH) (FRAGMENT)//4.2e-93:140:100//  
 MACACA FASCICULARIS (CRAB EATING MACAQUE) (CYNOMOLGUS MONKEY)//Q28479  
 F-PLACE1004451//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/0.00013:40:62//HOMO SAPIENS (HUMAN)//  
 P39188  
 10 F-PLACE1004460//MATERNAL TUDOR PROTEIN//0.0066:218:23//DROSOPHILA MELANOGASTER (FRUIT  
 FLY)//P25823  
 F-PLACE1004467//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/7.8e-10:33:87//HOMO SAPIENS (HUMAN)//  
 P39193  
 F-PLACE1004471//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1)//7.0e-56:92:58//HOMO SAPI-  
 15 ENS (HUMAN)//P51522  
 F-PLACE1004473//HYPOTHETICAL 54.3 KD PROTEIN C23D3.03C IN CHROMOSOME I//0.019:136:27//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09844  
 F-PLACE1004491//LYSIS PROTEIN//0.95:53:30//BACTERIOPHAGE FR//P19903  
 F-PLACE1004506//AUTOIMMUNOGENIC CANCER/TESTIS ANTIGEN NY-ESO-1 (LAGE-1)//0.58:66:34//HO-  
 20 MO SAPIENS (HUMAN)//P78358  
 F-PLACE1004510//TRANSCRIPTION INITIATION FACTOR TFIID 150 KD SUBUNIT (TAFII-150) (TAFII150)//  
 3.0e-07:63:46//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q24325  
 F-PLACE1004516//HYPOTHETICAL PROTEIN 5' TO ASP-RICH AND HIS-RICH PROTEINS (FRAGMENT)//  
 0.95:62:29//PLASMODIUM FALCIPARUM (ISOLATE FCM17 / SENEGAL)//P14587  
 25 F-PLACE1004518//METALLOTHIONEIN 10-III (MT-10-III)//0.91:28:42//MYTILUS EDULIS (BLUE MUSSEL)//  
 P80248  
 F-PLACE1004548//DIHYDROPYRIDINE-SENSITIVE L-TYPE, SKELETAL MUSCLE CALCIUM CHANNEL GAM-  
 MA SUBUNIT//0.94:75:32//ORYZOLAGUS CUNICULUS (RABBIT)//P19518  
 F-PLACE1004550//CUTICLE COLLAGEN 2//0.90:155:31//CAENORHABDITIS ELEGANS//P17656  
 30 F-PLACE1004564//CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR, 100 KD SUBUNIT (CPSF 100  
 KD SUBUNIT)//3.2e-70:121:100//BOS TAURUS (BOVINE)//Q10568  
 F-PLACE1004629//PROTEIN OS-9 PRECURSOR//1.7e-10:132:36//HOMO SAPIENS (HUMAN)//Q13438  
 F-PLACE1004645//TRANSCRIPTION INITIATION FACTOR IIB HOMOLOG (TFIIB)//0.00036:100:30//PYRO-  
 COCCUS FURIOSUS//Q51731  
 35 F-PLACE1004646//PROBABLE UDP-GALACTOPYRANOSE MUTASE (EC 5.4.99.9)//0.91:58:29//KLEBSIELLA  
 PNEUMONIAE//Q48481  
 F-PLACE1004658//GLUTAMATE [NMDA] RECEPTOR SUBUNIT EPSILON 4 PRECURSOR (N-METHYL D-AS-  
 PARTATE RECEPTOR SUBTYPE 2D) (NR2D) (NMDAR2D)//0.031:134:32//MUS MUSCULUS (MOUSE)//  
 Q03391  
 40 F-PLACE1004664//HYPOTHETICAL 180.2 KD PROTEIN IN FAA4-HOR7 INTERGENIC REGION//0.025:125:  
 20//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//Q04781  
 F-PLACE1004672//HYPOTHETICAL 36.7 KD PROTEIN C2F7:14C IN CHROMOSOME I//7.6e-52:158:56//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09704  
 F-PLACE1004674//PROBABLE CALCIUM-BINDING PROTEIN ALG-2 (PMP41) (ALG-257)//1.4e-88:144:93//  
 45 MUS MUSCULUS (MOUSE)//P12815  
 F-PLACE1004681//CCR4-ASSOCIATED FACTOR 1 (CAF1)//1.0e-34:70:100//MUS MUSCULUS (MOUSE)//  
 Q60809  
 F-PLACE1004686//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/3.4e-08:48:62//HOMO SAPIENS (HUMAN)//  
 P39192  
 50 F-PLACE1004691//METALLOTHIONEIN (MT)//0.064:24:45//ARIANTA ARBUSTORUM//P55946  
 F-PLACE1004693  
 F-PLACE1004716//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//1.0:27:37//PAN PANISCUS (PYGMY  
 CHIMPANZEE) (BONOBO)//Q35587  
 F-PLACE1004722//HYPOTHETICAL 61.5 KD PROTEIN IN CLA4-MID1 INTERGENIC REGION//0.95:53:33//  
 55 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P48565  
 F-PLACE1004736//NEURONAL AXONAL MEMBRANE PROTEIN NAP-22//0.014:163:30//RATTUS NORVEGI-  
 CUS (RAT)//Q05175  
 F-PLACE1004740//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/1.9e-09:37:70//HOMO SAPIENS (HUMAN)//

P39194  
 F-PLACE1004743//HYPOTHETICAL 12.6 KD PROTEIN IN ALGR3 3'REGION//0.99:72:33//PSEUDOMONAS  
 AERUGINOSA//P21484  
 5 F-PLACE1004751//CMP-N-ACETYLNEURAMINATE-BETA-GALACTOSAMIDE-ALPHA-2,3-SIALYLTRANS-  
 FERASE (EC 2.4.99.-) (BETA-GALACTOSIDE ALPHA-2,3-SIALYLTRANSFERASE) (ST3GALIII) (ALPHA 2,3-ST)  
 (GAL-NAC6S) (STZ) (SIAT4-C) (SAT-3) (ST-4)//2.2e-08:90:38//HOMO SAPIENS (HUMAN)//Q11206  
 F-PLACE1004773//ANKYRIN R (ANKYRINS 2.1 AND 2.2) (ERYTHROCYTE ANKYRIN)//3.2e-25:233:32//HOMO  
 SAPIENS (HUMAN)//P16157  
 10 F-PLACE1004777//N-CHIMAERIN (NC) (N-CHIMERIN) (ALPHA CHIMERIN) (A-CHIMAERIN)//8.1e-26:210:30//  
 RATTUS NORVEGICUS (RAT)//P30337  
 F-PLACE1004793//ENV POLYPROTEIN [CONTAINS: COAT PROTEIN GP52; COAT PROTEIN GP36]//0.00062:  
 106:25//MOUSE MAMMARY TUMOR VIRUS (STRAIN BR6)//P10259  
 F-PLACE1004804  
 15 F-PLACE1004813//HYPOTHETICAL PROTEIN UL12//1.0:22:40//HUMAN CYTOMEGALOVIRUS (STRAIN  
 AD169)//P16777  
 F-PLACE1004814//HYPOTHETICAL 37.0 KD PROTEIN B0495.8 IN CHROMOSOME II//2.8e-06:136:25//  
 CAENORHABDITIS ELEGANS//Q09217  
 F-PLACE1004815  
 20 F-PLACE1004824//HYPOTHETICAL 106.7 KD PROTEIN IN MUP1-SPR3 INTERGENIC REGION//2.3e-09:70:  
 38//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53236  
 F-PLACE1004827//HYPOTHETICAL 9.4 KD PROTEIN IN FLAL 3'REGION (ORF3)//0.54:25:56//BACILLUS LI-  
 CHENIFORMIS//P22754  
 F-PLACE1004836//ANNEXIN VII (SYNEXIN) (FRAGMENT)//0.0066:12:66//BOS TAURUS (BOVINE)//P20072  
 F-PLACE1004838  
 25 F-PLACE1004840  
 F-PLACE1004868//MALE STERILITY PROTEIN 2//4.0e-16:172:30//ARABIDOPSIS THALIANA (MOUSE-EAR  
 CRESS)//Q08891  
 F-PLACE1004885  
 30 F-PLACE1004900//MAST CELL DEGRANULATING PEPTIDE PRECURSOR (MCDP) (MCD) (PEPTIDE 401)//  
 1.0:23:47//APIS MELLIFERA (HONEYBEE)//P01499  
 F-PLACE1004902//PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE  
 SPAC10F6.02C//7.3e-15:94:47//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//O42643  
 F-PLACE1004913//HYPOTHETICAL 7.2 KD PROTEIN IN BCSA-DEGR INTERGENIC REGION//1.0:42:33//BA-  
 CILLUS SUBTILIS//P54165  
 35 F-PLACE1004918//HYPOTHETICAL 12.4 KD PROTEIN IN RPS21B-MRS3 INTERGENIC REGION//0.98:50:34//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P47012  
 F-PLACE1004930//HYPOTHETICAL PROTEIN MJ0562//0.82:44:36//METHANOCOCCUS JANNASCHII//  
 Q57982  
 F-PLACE1004934  
 40 F-PLACE1004937//HYPOTHETICAL 67.1 KD TRP-ASP REPEATS CONTAINING PROTEIN C57A10.05C IN  
 CHROMOSOME I//9.0e-10:87:33//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//P87053  
 F-PLACE1004969//HYPOTHETICAL 55.1 KD PROTEIN B0416.5 IN CHROMOSOME X//4.0e-14:184:25//  
 CAENORHABDITIS ELEGANS//Q11073  
 45 F-PLACE1004972//BROMELAIN INHIBITOR 2 (BI-II) (BROMELAIN INHIBITOR VI) (BI-VI)//1.0:35:37//ANANAS  
 COMOSUS (PINEAPPLE)//P27478  
 F-PLACE1004979//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/5.3e-30:55:72//HOMO SAPIENS (HUMAN)//  
 P39192  
 F-PLACE1004982//M PROTEIN, SEROTYPE 12 PRECURSOR (FRAGMENT)//0.00049:124:27//STREPTO-  
 COCCUS PYOGENES//P19401  
 50 F-PLACE1004985//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//1.0:26:34//LUMBRICUS TERRESTRIS  
 (COMMON EARTHWORM)//Q34942  
 F-PLACE1005026//TELOMERE-BINDING PROTEIN HOMOLOG//0.0011:179:27//EUPLOTES CRASSUS//  
 Q06183  
 F-PLACE1005027  
 55 F-PLACE1005046//ANNEXIN VII (SYNEXIN) (FRAGMENT)//0.082:44:36//BOS TAURUS (BOVINE)//P20072  
 F-PLACE1005052//MALE SPECIFIC SPERM PROTEIN MST84DD//0.38:36:44//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY)//Q01645  
 F-PLACE1005055

F-PLACE1005066//RING CANAL PROTEIN (KELCH PROTEIN)//2.9e-38:194:39//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q04652  
 F-PLACE1005077  
 5 F-PLACE1005085//INSECT TOXIN 1 (BOT IT1)//0.85:36:33//BUTHUS OCCITANUS TUNETANUS (COMMON EUROPEAN SCORPION)//P55902  
 F-PLACE1005086/////ALU SUBFAMILY SQ WARNING ENTRY !!!!!/8.5e-38:93:76//HOMO SAPIENS (HUMAN)//P39194  
 F-PLACE1005101//HYPOTHETICAL PROTEIN ZAP128 (FRAGMENT)//1.6e-11:35:100//HOMO SAPIENS (HUMAN)//P49753  
 10 F-PLACE1005102//ZINC FINGER PROTEIN 151 (POLYOMAVIRUS LATE INITIATOR PROMOTER BINDING PROTEIN) (LP-1) (ZINC FINGER PROTEIN Z13)//3.0e-14:110:38//MUS MUSCULUS (MOUSE)//Q60821  
 F-PLACE1005108//METALLOTHIONEIN-III (MT-III) (GROWTH INHIBITORY FACTOR) (GIF)//0.41:35:34//BOS TAURUS (BOVINE)//P37359  
 F-PLACE1005111//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L) (CHARGERIN II)//1.0:29:41//RATTUS NORVEGICUS (RAT)//P11608  
 15 F-PLACE1005128//RABPHILIN-3A (FRAGMENT)//5.9e-05:95:36//MUS MUSCULUS (MOUSE)//P47708  
 F-PLACE1005146//FIBROBLAST GROWTH FACTOR INDUCIBLE PROTEIN 15 (FIN15)//0.17:48:35//MUS MUSCULUS (MOUSE)//Q61075  
 F-PLACE1005162/////ALU SUBFAMILY SB WARNING ENTRY !!!!!/1.0e-31:60:76//HOMO SAPIENS (HUMAN)//P39189  
 20 F-PLACE1005176  
 F-PLACE1005181//HYPOTHETICAL 7 KD PROTEIN//1.0:31:45//MEASLES VIRUS (STRAIN HALLE) (SUBCUTE SCLEROSE PANENCEPHALITIS VIRUS)//P06831  
 F-PLACE1005187//GLUCAN SYNTHASE-1 (EC 2.4.1.34) (1,3-BETA-GLUCAN SYNTHASE) (UDP-GLUCOSE-1,3-BETA-D-GLUCAN GLUCOSYLTRANSFERASE)//0.0025:58:34//NEUROSPORA CRASSA//P38678  
 25 F-PLACE1005206//HYPOTHETICAL 10.7 KD PROTEIN//0.34:57:42//VACCINIA VIRUS (STRAIN COPENHAGEN)//P20511  
 F-PLACE1005232//AMELOGENIN, Y ISOFORM PRECURSOR//0.70:60:35//HOMO SAPIENS (HUMAN)//Q99218  
 30 F-PLACE1005243//SERINE/THREONINE PROTEIN KINASE PKPA (EC 2.7.1.-)//0.0017:114:27//PHYCOMYCES BLAKESLEEANUS//Q01577  
 F-PLACE1005261//HYPOTHETICAL 90.8 KD PROTEIN T05H10.7 IN CHROMOSOME II//1.2e-38:206:41//CAENORHABDITIS ELEGANS//Q10003  
 F-PLACE1005266  
 35 F-PLACE1005277//PROTEIN GURKEN PRECURSOR//0.58:95:29//DROSOPHILA MELANOGASTER (FRUIT FLY)//P42287  
 F-PLACE1005287//INNER CENTROMERE PROTEIN (INCENP)//2.0e-12:211:29//GALLUS GALLUS (CHICKEN)//P53352  
 F-PLACE1005305//GTP:AMP PHOSPHOTRANSFERASE MITOCHONDRIAL (EC 2.7.4.10) (AK3)//1.8e-78:205:78//BOS TAURUS (BOVINE)//P08760  
 40 F-PLACE1005308//WOUND-INDUCED BASIC PROTEIN//0.99:40:40//PHASEOLUS VULGARIS (KIDNEY BEAN) (FRENCH BEAN)//Q09020  
 F-PLACE1005313//HYPOTHETICAL 8.7 KD PROTEIN IN LEUX-FECE INTERGENIC REGION (O67)//0.15:36:41//ESCHERICHIA COLI//P39355  
 45 F-PLACE1005327//DNA-BINDING P52/P100 COMPLEX, 100 KD SUBUNIT (FRAGMENTS)//1.0:19:52//HOMO SAPIENS (HUMAN)//P30808  
 F-PLACE1005331//BREAKPOINT CLUSTER REGION PROTEIN//0.00021:98:35//HOMO SAPIENS (HUMAN)//P11274  
 F-PLACE1005335//IROQUOIS-CLASS HOMEODOMAIN PROTEIN IRX-3//0.37:98:33//MUS MUSCULUS (MOUSE)//P81067  
 50 F-PLACE1005373//PSEUDOURIDYLATE SYNTHASE 4 (EC 4.2.1.70) (PSEUDOURIDINE SYNTHASE 4) (TRNA PSEUDOURIDINE 55 SYNTHASE) (PSI55 SYNTHASE) (PSEUDOURIDYLATE SYNTHASE) (URACIL HYDROLASE)//0.010:96:28//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P48567  
 F-PLACE1005374  
 55 F-PLACE1005409  
 F-PLACE1005453//LICHENASE PRECURSOR (EC 3.2.1.73) (ENDO-BETA-1,3-1,4 GLUCANASE)//1.0:50:32//NICOTIANA PLUMBAGINIFOLIA (LEADWORT-LEAVED TOBACCO)//P07979  
 F-PLACE1005467//KERATIN, FEATHER (F-KER)//0.0095:42:35//LARUS NOVAE-HOLLANDIAE (SILVER

GULL)//P02451  
 F-PLACE1005471//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 4L (EC 1.6.5.3)//0.23:49:32//PHYTOPH-  
 THORA INFESTANS (POTATO LATE BLIGHT FUNGUS)//Q37598  
 F-PLACE1005477//HYPOTHETICAL PROTEIN ORF-1137//9.6e-13:115:38//MUS MUSCULUS (MOUSE)//  
 5 P11260  
 F-PLACE1005480//C-HORDEIN (CLONE PC HOR1-3) (FRAGMENT)//0.97:33:30//HORDEUM VULGARE (BAR-  
 LEY)//P17991  
 F-PLACE1005481//HUNCHBACK PROTEIN (FRAGMENT)//0.30:52:38//APIS MELLIFERA (HONEYBEE)//  
 P31504  
 10 F-PLACE1005494//TRANSIENT-RECEPTOR-POTENTIAL PROTEIN//3.9e-05:87:33//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY)//P19334  
 F-PLACE1005502  
 F-PLACE1005526//IMMEDIATE-EARLY PROTEIN IE180//4.6e-05:132:32//PSEUDORABIES VIRUS (STRAIN  
 KAPLAN) (PRV)//P33479  
 15 F-PLACE1005528//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/3.4e-09:31:74//HOMO SAPIENS (HUMAN)//  
 P39195  
 F-PLACE1005530//HYPOTHETICAL 47.6 KD PROTEIN C16C10.5 IN CHROMOSOME III//9.7e-50:148:58//  
 CAENORHABDITIS ELEGANS//Q09251  
 F-PLACE1005550//HYPOTHETICAL 40.2 KD PROTEIN K12H4.3 IN CHROMOSOME III//3.0e-21:127:37//  
 20 CAENORHABDITIS ELEGANS//P34524  
 F-PLACE1005554//CYTOCHROME B (EC 1.10.2.2) (FRAGMENT)//0.84:38:31//DIPODOMYS CALIFORNICUS  
 (KANGAROO RAT)//P16359  
 F-PLACE1005557//60S RIBOSOMAL PROTEIN L27//4.8e-09:60:48//CRYPTOCOCCUS NEOFORMANS (FILO-  
 BASIDIELLA NEOFORMANS)//P46288  
 25 F-PLACE1005574//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//0.89:44:29//BOS TAURUS (BOVINE)//  
 P03929  
 F-PLACE1005584//MALE SPECIFIC SPERM PROTEIN MST87F//0.00030:33:48//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY)//P08175  
 F-PLACE1005595//IMMEDIATE-EARLY PROTEIN IE180//0.00048:162:30//PSEUDORABIES VIRUS (STRAIN  
 30 INDIANA-FUNKHAUSER / BECKER) (PRV)//P11675  
 F-PLACE1005603//HIGH-MOBILITY-GROUP PROTEIN (NONHISTONE CHROMOSOMAL PROTEIN)//  
 0.00034:83:30//TETRAHYMENA PYRIFORMIS//P40625  
 F-PLACE1005611//DNAJ PROTEIN//8.6e-20:108:48//CLOSTRIDIUM ACETOBUTYLICUM//P30725  
 F-PLACE1005623//EXTRACELLULAR SIGNAL-REGULATED KINASE 5 (EC 2.7.1.-) (ERK5) (ERK4) (BMK1 KI-  
 35 NASE)//0.80:116:31//HOMO SAPIENS (HUMAN)//Q13164  
 F-PLACE1005630//INTERLEUKIN-14 PRECURSOR (IL-14) (HIGH MOLECULAR WEIGHT B-CELL GROWTH  
 FACTOR) (HMW-BCGF)//0.0024:74:39//HOMO SAPIENS (HUMAN)//P40222  
 F-PLACE1005639//EXTRACELLULAR MATRIX PROTEIN 1 (SECRETORY COMPONENT P85) (FRAGMENT)//  
 0.72:18:61//RATTUS NORVEGICUS (RAT)//Q62894  
 40 F-PLACE1005646//RNA HELICASE-LIKE PROTEIN DB10//4.8e-29:172:45//NICOTIANA SYLVESTRIS (WOOD  
 TOBACCO)//P46942  
 F-PLACE1005656//RIBONUCLEOSIDE-DIPHOSPHATE REDUCTASE M2 CHAIN (EC 1.17.4.1) (RIBONUCLE-  
 OTIDE REDUCTASE)//3.7e-64:133:75//MESOCRICETUS AURATUS (GOLDEN HAMSTER)//Q60561  
 F-PLACE1005666//CHLOROPLAST 50S RIBOSOMAL PROTEIN L28//0.57:36:41//PORPHYRA PURPUREA//  
 45 P51224  
 F-PLACE1005698//HYPOTHETICAL PROTEIN IN SIGD 3'REGION (ORFC) (FRAGMENT)//0.50:61:29//BACIL-  
 LUS SUBTILIS//P40405  
 F-PLACE1005727//ANTER-SPECIFIC PROLINE-RICH PROTEIN APG (PROTEIN CEX) (FRAGMENT)//0.46:  
 27:51//BRASSICA NAPUS (RAPE)//P40603  
 50 F-PLACE1005730//COLLAGEN ALPHA 1(I) CHAIN (FRAGMENT)//0.95:21:52//ORYCTOLAGUS CUNICULUS  
 (RABBIT)//P02456  
 F-PLACE1005739//INTERFERON-GAMMA INDUCIBLE PROTEIN MG11//3.4e-46:111:53//MUS MUSCULUS  
 (MOUSE)//Q60710  
 F-PLACE1005755//HYPOTHETICAL 70.2 KD PROTEIN IN GSH1-CHS6 INTERGENIC REGION//2.6e-12:66:  
 51//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P42951  
 55 F-PLACE1005763//S-ACYL FATTY ACID SYNTHASE THIOESTERASE, MEDIUM CHAIN (EC 3.1.2.14)  
 (THIOESTERASE II)//1.5e-26:69:57//RATTUS NORVEGICUS (RAT)//P08635  
 F-PLACE1005799//KERATIN, ULTRA HIGH-SULFUR MATRIX PROTEIN (UHS KERATIN)//0.028:96:32//HOMO

SAPIENS (HUMAN)//P26371  
 F-PLACE1005802//PROTEIN PROSPERO.//0.86:64:42//DROSOPHILA MELANOGASTER (FRUIT FLY)//  
 P29617  
 5 F-PLACE1005803//MYELOID DIFFERENTIATION PRIMARY RESPONSE PROTEIN MYD116.//1.0:95:25//MUS  
 MUSCULUS (MOUSE)//P17564  
 F-PLACE1005804//PROCESSING ALPHA-1,2-MANNOSIDASE (EC 3.2.1.-) (ALPHA-1,2-MANNOSIDASE 1B)//  
 2.8e-73:198:73//MUS MUSCULUS (MOUSE)//P39098  
 F-PLACE1005813//HYPOTHETICAL 49.0 KD PROTEIN IN NSP1-KAR2 INTERGENIC REGION.//0.022:78:38//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P47057  
 10 F-PLACE1005828//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/1.8e-23:56:76//HOMO SAPIENS (HUMAN)//  
 P39195  
 F-PLACE1005834//LATE CONTROL GENE B PROTEIN (GPB).//0.97:33:39//BACTERIOPHAGE 186.//P08711  
 F-PLACE1005845  
 F-PLACE1005850//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/5.5e-28:96:73//HOMO SAPIENS (HUMAN)//  
 15 P39194  
 F-PLACE1005851  
 F-PLACE1005876//CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR, 100 KD SUBUNIT (CPSF 100  
 KD SUBUNIT).//2.2e-99:155:95//BOS TAURUS (BOVINE)//Q10568  
 F-PLACE1005884  
 20 F-PLACE1005890//BEM46 PROTEIN (FRAGMENT).//1.8e-33:137:49//SCHIZOSACCHAROMYCES POMBE  
 (FISSION YEAST)//P54069  
 F-PLACE1005898//NADH-UBIQUINONE OXIDOREDUCTASE MLRQ SUBUNIT (EC 1.6.5.3) (EC 1.6.99.3)  
 (COMPLEX I-MLRQ) (CI-MLRQ).//0.77:58:34//HOMO SAPIENS (HUMAN)//O00483  
 F-PLACE1005921//AIG1 PROTEIN.//1.4e-23:165:38//ARABIDOPSIS THALIANA (MOUSE-EAR CRESS)//  
 25 P54120  
 F-PLACE1005923//HYPOTHETICAL 22.4 KD PROTEIN (ORF16).//0.90:118:28//PARAMECIUM TETRAURE-  
 LIA.//P15617  
 F-PLACE1005925//HYPOTHETICAL GENE 30 PROTEIN.//0.94:57:29//HERPESVIRUS SAIMIRI (STRAIN 11).//  
 Q01010  
 30 F-PLACE1005932//EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN).//  
 0.42:128:32//NICOTIANA TABACUM (COMMON TOBACCO)//P13983  
 F-PLACE1005934//DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT (EC 2.7.7.6)(RBP1) (FRAG-  
 MENT).//0.40:76:35//CRICETULUS GRISEUS (CHINESE HAMSTER)//P11414  
 F-PLACE1005936//TAT PROTEIN (TRANSACTIVATING REGULATORY PROTEIN).//0.50:15:66//HUMAN IMMU-  
 35 NODEFICIENCY VIRUS TYPE 1 (CLONE 12) (HIV-1)//P04326  
 F-PLACE1005951//EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN).//  
 0.0025:135:32//NICOTIANA TABACUM (COMMON TOBACCO)//P13983  
 F-PLACE1005953//HIGH POTENTIAL IRON-SULFUR PROTEIN (HIPIP).//0.64:57:33//RHODOFERAX FER-  
 MENTANS.//P80882  
 40 F-PLACE1005955//HYPOTHETICAL 54.2 KD PROTEIN IN ERP5-ORC6 INTERGENIC REGION.//1.0e-32:110:  
 50//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38821  
 F-PLACE1005966//TACHYPLESIN II PRECURSOR.//0.97:31:35//TACHYPLEUS TRIDENTATUS (JAPANESE  
 HORSESHOE CRAB)//P14214  
 F-PLACE1005968//GATA FACTOR SREP.//0.17:52:40//PENICILLIUM CHRYSOGENUM.//Q92259  
 45 F-PLACE1005990//CELL PATTERN FORMATION-ASSOCIATED PROTEIN.//0.36:55:36//EMERICELLA NIDU-  
 LANS (ASPERGILLUS NIDULANS)//P36011  
 F-PLACE1006002//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/1.5e-36:102:75//HOMO SAPIENS (HU-  
 MAN)//P39192  
 F-PLACE1006003//HYPOTHETICAL 6.8 KD PROTEIN IN COX3-NAD1 INTERGENIC REGION (ORF 61).//1.0:  
 50 22:40//MARCHANTIA POLYMORPHA (LIVERWORT)//P38473  
 F-PLACE1006011//POLY [ADP-RIBOSE] POLYMERASE (EC 2.4.2.30) (PARP) (ADPRT) (NAD(+) ADP- RIBO-  
 SYLTRANSFERASE) (POLY[ADP-RIBOSE] SYNTHETASE).//2.8e-21:163:36//ARABIDOPSIS THALIANA  
 (MOUSE-EAR CRESS)//Q11207  
 F-PLACE1006017//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/1.1e-10:43:67//HOMO SAPIENS (HUMAN)//  
 55 P39192  
 F-PLACE1006037//VITELLOGENIN I PRECURSOR (VTG I) [CONTAINS: LIPOVITELLIN 1 (LV1); PHOSVITIN  
 (PV); LIPOVITELLIN 2 (LV2)]//0.00019:123:37//FUNDULUS HETEROCLITUS (KILLIFISH) (MUMMICHOG).//  
 Q90508

F-PLACE1006040//CAMP-REGULATED PHOSPHOPROTEIN 19 (ARPP-19)//3.2e-40:110:76//HOMO SAPIENS (HUMAN)//P56211  
 F-PLACE1006076//BOWMAN-BIRK TYPE PROTEINASE INHIBITOR A-II//0.99:30:40//ARACHIS HYPOGAEA (PEANUT)//P01066  
 5 F-PLACE1006119//IMPORTIN BETA-3 SUBUNIT (KARYOPHERIN BETA-3 SUBUNIT) (RAN-BINDING PROTEIN 5)//8.8e-94:218:76//HOMO SAPIENS (HUMAN)//O00410  
 F-PLACE1006129//A-AGGLUTININ ATTACHMENT SUBUNIT PRECURSOR//0.00092:228:26//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P32323  
 F-PLACE1006139//HYPOTHETICAL 52.9 KD PROTEIN IN SAP155-YMR31 INTERGENIC REGION//5.9e-55:128:50//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P43616  
 10 F-PLACE1006143//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!//1.4e-25:107:63//HOMO SAPIENS (HUMAN)//P39194  
 F-PLACE1006157//E-SELECTIN PRECURSOR (ENDOTHELIAL LEUKOCYTE ADHESION MOLECULE 1) (ELAM-1) (LEUKOCYTE-ENDOTHELIAL CELL ADHESION MOLECULE 2) (LECAM2) (CD62E)//1.3e-21:168:32//SUS SCROFA (PIG)//P98110  
 15 F-PLACE1006159//COLD SHOCK INDUCED PROTEIN TIR1 PRECURSOR (SERINE-RICH PROTEIN 1)//0.46:98:29//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P10863  
 F-PLACE1006164//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 4L (EC 1.6.5.3)//0:70:28:42//ARTEMIA SALINA (BRINE SHRIMP)//P19049  
 20 F-PLACE1006167//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSIDASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE)//8.9e-05:167:32//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P08640  
 F-PLACE1006170//ALPHA-ADAPTIN C (CLATHRIN ASSEMBLY PROTEIN COMPLEX 2 ALPHA-C LARGE CHAIN) (100 KD COATED VESICLE PROTEIN C) (PLASMA MEMBRANE ADAPTOR HA2/AP2 ADAPTIN ALPHA C SUBUNIT)//1.1e-67:157:88//MUS MUSCULUS (MOUSE)//P17427  
 25 F-PLACE1006187//G1/S-SPECIFIC CYCLIN E//5.6e-75:224:62//HOMO SAPIENS (HUMAN)//P24864  
 F-PLACE1006195//T-RELATED PROTEIN (TRP) (BRACHYENTERON PROTEIN)//0.99:177:29//DROSOPHILA MELANOGASTER (FRUIT FLY)//P55965  
 F-PLACE1006196//PUTATIVE ATP-DEPENDENT RNA HELICASE C12C2.06//2.0e-33:183:46//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09747  
 30 F-PLACE1006205  
 F-PLACE1006223//SPERM MITOCHONDRIAL CAPSULE SELENOPROTEIN (MCS)//0.00015:22:50//MUS MUSCULUS (MOUSE)//P15265  
 F-PLACE1006225//VIRION INFECTIVITY FACTOR (SOR PROTEIN)//1.0:63:34//HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (NDK ISOLATE) (HIV-1)//P18805  
 35 F-PLACE1006236  
 F-PLACE1006239//60S ACIDIC RIBOSOMAL PROTEIN P2 (FRAGMENT)//0.48:23:52//ARABIDOPSIS THALIANA (MOUSE-EAR CRESS)//P51407  
 F-PLACE1006246//CMP-SIALIC ACID TRANSPORTER (CMP-SIA-TR)//0.012:84:30//MUS MUSCULUS (MOUSE)//Q61420  
 40 F-PLACE1006248//140 KD NUCLEOLAR PHOSPHOPROTEIN (NOPP140)//0.017:203:22//RATTUS NORVEGICUS (RAT)//P41777  
 F-PLACE1006262//L-FUCULOSE PHOSPHATE ALDOLASE (EC 4.1.2.17)//0.84:25:52//HAEMOPHILUS INFLUENZAE//P44777  
 45 F-PLACE1006288  
 F-PLACE1006318//CYSTEINE-RICH ANTIFUNGAL PROTEIN 1 (AFP1) (M1)//1.0:29:48//SINAPIS ALBA (WHITE MUSTARD) (BRASSICA HIRTA)//P30231  
 F-PLACE1006325//CYCLIN-DEPENDENT KINASE INHIBITOR 1C (CYCLIN-DEPENDENT KINASE INHIBITOR P57) (P57KIP2)//0.99:97:32//HOMO SAPIENS (HUMAN)//P49918  
 50 F-PLACE1006335//PROLINE-RICH PEPTIDE P-B//0.56:19:52//HOMO SAPIENS (HUMAN)//P02814  
 F-PLACE1006357  
 F-PLACE1006360  
 F-PLACE1006368//NUF1 PROTEIN (SPINDLE POLY BODY SPACER PROTEIN SPC110)//0.0057:122:31//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P32380  
 55 F-PLACE1006371//ARS BINDING PROTEIN 1//0.00030:142:30//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//P49777  
 F-PLACE1006382//NEUROTOXIN V//0.85:28:39//ANDROCTONUS MAURETANICUS MAURETANICUS (SCORPION)//P01482

F-PLACE1006385//HYPOTHETICAL 45.1 KD PROTEIN IN RPS5-ZMS1 INTERGENIC REGION.//3.1e-35:165:47//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P47160  
 F-PLACE1006412//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG.//4.3e-08:40:47//HOMO SAPIENS (HUMAN)//P08547  
 5 F-PLACE1006414//FORKHEAD-RELATED TRANSCRIPTION FACTOR 4 (FREAC-4)//3.8e-05:123:39//HOMO SAPIENS (HUMAN)//Q16676  
 F-PLACE1006438//ZINC FINGER PROTEIN 165.//2.8e-21:76:64//HOMO SAPIENS (HUMAN)//P49910  
 F-PLACE1006445//SUPPRESSOR OF HAIRY WING PROTEIN.//0.058:99:29//DROSOPHILA VIRILIS (FRUIT FLY)//Q08876  
 10 F-PLACE1006469//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- ACTIVATING ENZYME).//1.8e-64:177:50//ESCHERICHIA COLI//P27550  
 F-PLACE1006470  
 F-PLACE1006482//TRANSCRIPTION FACTOR MAFF.//2.0e-47:120:85//GALLUS GALLUS (CHICKEN)//Q90595  
 15 F-PLACE1006488//SIGNAL RECOGNITION PARTICLE 68 KD PROTEIN (SRP68)//1.8e-85:173:95//CANIS FAMILIARIS (DOG)//Q00004  
 F-PLACE1006492//VERY HYPOTHETICAL 11.2 KD PROTEIN C56F8.13 IN CHROMOSOME I.//0.75:32:56//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q10261  
 F-PLACE1006506  
 20 F-PLACE1006521  
 F-PLACE1006531//HYPOTHETICAL 115.4 KD PROTEIN ZK757.3 IN CHROMOSOME III.//1.3e-53:167:61//CAENORHABDITIS ELEGANS//P34681  
 F-PLACE1006534  
 F-PLACE1006540  
 25 F-PLACE1006552//MYOSIN HEAVY CHAIN, CLONE 203 (FRAGMENT).//1.3e-07:242:23//HYDRA ATTENUATA (HYDRA) (HYDRA VULGARIS)//P39922  
 F-PLACE1006598//!!!! ALU SUBFAMILY SB1 WARNING ENTRY !!!!//0.17:43:51//HOMO SAPIENS (HUMAN)//P39190  
 F-PLACE1006615//ACROSIN PRECURSOR (EC 3.4.21.10).//3.6e-05:66:43//ORYCTOLAGUS CUNICULUS (RABBIT)//P48038  
 30 F-PLACE1006617//HYPOTHETICAL 14.6 KD PROTEIN (READING FRAME C) (REPUCATION).//1.0:74:29//STAPHYLOCOCCUS AUREUS//P03861  
 F-PLACE1006626//HYPOTHETICAL HELICASE K12H4.8 IN CHROMOSOME III.//2.9e-10:73:46//CAENORHABDITIS ELEGANS//P34529  
 35 F-PLACE1006629//HYPOTHETICAL PROTEIN BB0410//1.0:23:43//BORRELIA BURGDORFERI (LYME DISEASE SPIROCHETE)//O51371  
 F-PLACE1006640  
 F-PLACE1006673  
 F-PLACE1006678//COLLAGEN ALPHA 1(I) CHAIN (FRAGMENT).//1.0:36:41//ORYCTOLAGUS CUNICULUS (RABBIT)//P02456  
 40 F-PLACE1006704//BROAD-COMPLEX CORE-TNT1-Q1-Z1 PROTEIN (BRCORE-TNT1-Q1-Z1) [CONTAINS: BROAD-COMPLEX CORE-Q1-Z1 PROTEIN].//0.00062:157:26//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q01295  
 F-PLACE1006731//RIBOFLAVIN KINASE (EC 2.7.1.26) (FLAVOKINASE) / FMN ADENYLYLTRANSFERASE (EC 2.7.7.2) (FAD PYROPHOSPHORYLASE) (FAD SYNTHETASE).//1.3e-07:127:36//CORYNEBACTERIUM AMMONIAGENES (BREVIBACTERIUM AMMONIAGENES)//Q59263  
 45 F-PLACE1006754//CARCINOEMBRYONIC ANTIGEN CGM1 PRECURSOR (CD66D ANTIGEN).//1.9e-19:78:53//HOMO SAPIENS (HUMAN)//P40198  
 F-PLACE1006760//COLLAGEN ALPHA 1(III) CHAIN (FRAGMENT).//0.21:107:30//RATTUS NORVEGICUS (RAT)//P13941  
 50 F-PLACE1006779//CYTOTOXIN 5 (CTXV).//1.0:20:30//NAJA MOSSAMBICA (MOZAMBIQUE COBRA)//P25517  
 F-PLACE1006782//ZINC FINGER PROTEIN 1.//0.00052:178:28//CANDIDA ALBICANS (YEAST)//P28875  
 F-PLACE1006792  
 F-PLACE1006795//VOLTAGE-GATED POTASSIUM CHANNEL PROTEIN SHAW (SHAW2).//1.0:80:30//DROSOPHILA MELANOGASTER (FRUIT FLY)//P17972  
 55 F-PLACE1006800//HYPOTHETICAL 9.4 KD PROTEIN.//0.99:62:33//VACCINIA VIRUS (STRAIN COPENHAGEN).//P20569  
 F-PLACE1006805

- F-PLACE1006815//HYPOTHETICAL PROTEIN UL61.//0.038:146:32//HUMAN CYTOMEGALOVIRUS (STRAIN AD169).//P16818  
 F-PLACE1006819//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG.//7.3e-98:239:76//HOMO SAPIENS (HUMAN).//P08547
- 5 F-PLACE1006829//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 8 (EC 3.1.2.15) (UBIQUITIN THIOLESTERASE 8) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 8) (DEUBIQUITINATING ENZYME 8)//0.061:34:58//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P50102  
 F-PLACE1006860  
 F-PLACE1006867
- 10 F-PLACE1006878//HYPOTHETICAL 8.2 KD PROTEIN IN MOBL 3'REGION (ORF 3).//0.85:27:37//THIOBACILLUS FERROOXIDANS.//P20087  
 F-PLACE1006883//VITAMIN D3 RECEPTOR (VDR) (1,25-DIHYDROXYVITAMIN D3 RECEPTOR).//0.78:51:37//MUS MUSCULUS (MOUSE).//P48281  
 F-PLACE1006901//HYPOTHETICAL 8.1 KD PROTEIN.//0.99:55:23//VACCINIA VIRUS (STRAIN COPENHAGEN).//P20567
- 15 F-PLACE1006904//MATING-TYPE LOCUS ALLELE B1 PROTEIN.//0.95:86:26//USTILAGO MAYDIS (SMUT FUNGUS).//P22015  
 F-PLACE1006917//HYPOTHETICAL 40.9 KD PROTEIN C08B11.5 IN CHROMOSOME II.//6.9e-15:101:45//CAENORHABDITIS ELEGANS.//Q09442
- 20 F-PLACE1006932//HISTIDINE-RICH, METAL BINDING POLYPEPTIDE.//0.089:28:39//HELICOBACTER PYLORI (CAMPYLOBACTER PYLORI).//Q48251  
 F-PLACE1006935//HYPOTHETICAL 95.2 KD PROTEIN R144.6 IN CHROMOSOME III.//0.93:35:48//CAENORHABDITIS ELEGANS.//Q10000  
 F-PLACE1006956//TRANSCRIPTION INITIATION FACTOR TFIID 135 KD SUBUNIT (TAFII-135) (TAFII135) (TAFII-130) (TAFII130).//0.00079:122:36//HOMO SAPIENS (HUMAN).//O00268
- 25 F-PLACE1006958//OSMOTIC STRESS PROTEIN 94 (HEAT SHOCK 70-RELATED PROTEIN APG-1).//8.8e-70:140:98//MUS MUSCULUS (MOUSE).//P48722  
 F-PLACE1006961  
 F-PLACE1006962//APOLIPOPROTEIN C-I PRECURSOR (APO-C1).//1.0:25:40//PAPIO HAMADRYAS (HAMADRYAS BABOON).//P34929
- 30 F-PLACE1006966//HYPOTHETICAL 49.1 KD PROTEIN IN SSB2-SPX18 INTERGENIC REGION.//1.6e-47:221:45//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//P40160  
 F-PLACE1006989//HYPOTHETICAL 13.1 KD HIT-LIKE PROTEIN IN P37 5'REGION.//0.15:46:32//MYCOPLASMA HYORHINIS.//P32083
- 35 F-PLACE1007014//36 KD NUCLEOLAR PROTEIN HNP36 (DELAYED-EARLY RESPONSE PROTEIN 12) (DER12).//3.4e-09:120:29//HOMO SAPIENS (HUMAN).//Q14542  
 F-PLACE1007021//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!//0.00046:42:59//HOMO SAPIENS (HUMAN).//P39188
- 40 F-PLACE1007045//HYPOTHETICAL PROTEIN ORF-1137.//8.1e-14:115:35//MUS MUSCULUS (MOUSE).//P11260  
 F-PLACE1007053//SMALL PROLINE RICH PROTEIN II (SPR-II) (CLONE 930).//0.038:48:39//HOMO SAPIENS (HUMAN).//P22531  
 F-PLACE1007068//PROTEIN-LYSINE 6-OXIDASE PRECURSOR (EC 1.4.3.13) (LYSYL OXIDASE).//0.0040:113:39//GALLUS GALLUS (CHICKEN).//Q05063
- 45 F-PLACE1007097//HYPOTHETICAL 6.8 KD PROTEIN IN HE65-PK2 INTERGENIC REGION.//0.97:47:29//AUTOGRAPHIA CALIFORNICA NUCLEAR POLYHEDROSIS VIRUS (ACMNPV).//P41663  
 F-PLACE1007105//HYPOTHETICAL 83.6 KD PROTEIN C15A10.10 IN CHROMOSOME L//2.9e-33:219:37//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST).//O13730  
 F-PLACE1007111
- 50 F-PLACE1007112//HYPOTHETICAL 9.2 KD PROTEIN.//0.47:75:28//ESCHERICHIA COLI.//P03853  
 F-PLACE1007132//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!//1.8e-11:56:57//HOMO SAPIENS (HUMAN).//P39188
- 55 F-PLACE1007140//GAR2 PROTEIN.//0.72:185:24//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST).//P41891  
 F-PLACE1007178//HYPOTHETICAL 8.5 KD PROTEIN CY274.40C.//0.97:79:30//MYCOBACTERIUM TUBERCULOSIS.//Q10826  
 F-PLACE1007226//HYPOTHETICAL 42.6 KD PROTEIN IN GSHB-ANSB INTERGENIC REGION (O378).//1.9e-15:123:32//ESCHERICHIA COLI.//P52062



F-PLACE1007238//MYOSIN HEAVY CHAIN IB (MYOSIN HEAVY CHAIN IL)//5.5e-10:98:44//ACANTHAMOEBA  
 CASTELLANII (AMOEBIA)//P19706  
 F-PLACE1007239//TRANSCRIPTION ELONGATION FACTOR S-II (TRANSCRIPTION ELONGATION FACTOR  
 A)//3.9e-19:96:57//HOMO SAPIENS (HUMAN)//P23193  
 5 F-PLACE1007242//GUANINE NUCLEOTIDE DISSOCIATION STIMULATOR RALGDS FORM B (RALGEF)//1.0:  
 132:30//RATTUS NORVEGICUS (RAT)//Q03386  
 F-PLACE1007243//HYPOTHETICAL 53.3 KD PROTEIN IN HXT8-CAN1 INTERGENIC REGION//0.041:114:29//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P39981  
 F-PLACE1007257//DIAPHANOUS PROTEIN//1.3e-42:205:46//DROSOPHILA MELANOGASTER (FRUIT  
 10 FLY)//P48608  
 F-PLACE1007274//CADMIUM-METALLOTHIONEIN (CD-MT)//0.054:60:30//HELIIX POMATIA (ROMAN SNAIL)  
 (EDIBLE SNAIL)//P33187  
 F-PLACE1007276//BETA-DEFENSIN 1 PRECURSOR (RHBD-1) (DEFENSIN, BETA 1)//1.0:42:28//SUS SCRO-  
 FA (PIG)//O62697  
 15 F-PLACE1007282//OUTER CAPSID PROTEIN VP4 (HEMAGGLUTININ) (OUTER LAYER PROTEIN VP4) [CON-  
 TAINS: OUTER CAPSID PROTEINS VP5 AND VP8]//0.070:126:27//HUMAN ROTAVIRUS (SEROTYPE 4 /  
 STRAIN ST. THOMAS 3)//P11200  
 F-PLACE1007286  
 F-PLACE1007301//HYPOTHETICAL PROTEIN KIAA0168//0.042:61:39//HOMO SAPIENS (HUMAN)//P50749  
 20 F-PLACE1007317  
 F-PLACE1007342//PROTEIN GRAINY-HEAD (DNA-BINDING PROTEIN ELF-1) (ELEMENT I-BINDING ACTIV-  
 ITY) (TRANSCRIPTION FACTOR NTF-1)//1.7e-06:77:36//DROSOPHILA MELANOGASTER (FRUIT FLY)//  
 P13002  
 F-PLACE1007346//TRANSCRIPTION INTERMEDIARY FACTOR 1-BETA (KRAB-A INTERACTING PROTEIN)  
 (KRIP-1)//0.0026:147:27//MUS MUSCULUS (MOUSE)//Q62318  
 25 F-PLACE1007367//ALU SUBFAMILY SB WARNING ENTRY !!!!!/1.3e-37:110:76//HOMO SAPIENS (HU-  
 MAN)//P39189  
 F-PLACE1007375//PHORBOL ESTER/DIACYLGLYCEROL-BINDING PROTEIN UNC-13//4.7e-07:71:39//  
 CAENORHABDITIS ELEGANS//P27715  
 30 F-PLACE1007386//HYPOTHETICAL 7.6 KD PROTEIN IN FLO1-PHO11 INTERGENIC REGION//0.74:48:29//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P39561  
 F-PLACE1007402//TRANSCRIPTIONAL REGULATORY PROTEIN ENTR (ENTERICIDIN R)//0.99:63:36//CIT-  
 ROBACTER FREUNDII//O69280  
 F-PLACE1007409//WHITE PROTEIN//7.9e-38:179:41//DROSOPHILA MELANOGASTER (FRUIT FLY)//  
 35 P10090  
 F-PLACE1007416//DIPEPTIDYL PEPTIDASE IV (EC 3.4.14.5) (DPP IV) (T-CELL ACTIVATION ANTIGEN CD26)  
 (TP103) (ADENOSINE DEAMINASE COMPLEXING PROTEIN-2) (ADABP)//0.031:159:23//HOMO SAPIENS  
 (HUMAN)//P27487  
 F-PLACE1007450//ZINC FINGER PROTEIN 39 (ZINC FINGER PROTEIN KOX27) (FRAGMENT)//0.023:36:50//  
 40 HOMO SAPIENS (HUMAN)//P17038  
 F-PLACE1007452//HYPOTHETICAL 22.1 KD PROTEIN IN CCP1-MET1 INTERGENIC REGION//2.2e-18:85:  
 54//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P36149  
 F-PLACE1007454//PHOTOSYSTEM II REACTION CENTRE N PROTEIN//0.66:13:53//CHLAMYDOMONAS RE-  
 INHARDTII//Q06480  
 45 F-PLACE1007460//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//0.93:45:33//SUS SCROFA (PIG)//Q35914  
 F-PLACE1007478//RETROVIRUS-RELATED POL POLYPROTEIN [CONTAINS: REVERSE TRANSCRIPTASE  
 (EC 2.7.7.49); ENDONUCLEASE]//5.3e-08:50:56//MUS MUSCULUS (MOUSE)//P11369  
 F-PLACE1007484//HYPOTHETICAL 6.8 KD PROTEIN IN REPLICATION ORIGIN REGION//0.87:43:37//ES-  
 CHERICHIA COLI//P03849  
 50 F-PLACE1007488//PUTATIVE RHO/RAC GUANINE NUCLEOTIDE EXCHANGE FACTOR (RHO/RAC GEF) (FA-  
 CIOGENITAL DYSPLASIA PROTEIN)//1.2e-25:202:31//HOMO SAPIENS (HUMAN)//P98174  
 F-PLACE1007507//HYPOTHETICAL 16.0 KD PROTEIN IN TAF60-G4P1 INTERGENIC REGION//0.12:128:25//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53139  
 F-PLACE1007511//KERATIN, TYPE I CYTOSKELETAL 19 (CYTOKERATIN 19) (K19) (CK 19)//2.1e-45:209:48//  
 55 BOS TAURUS (BOVINE)//P08728  
 F-PLACE1007524//HYPOTHETICAL 9.2 KD PROTEIN//0.74:80:30//VACCINIA VIRUS (STRAIN COPENHA-  
 GEN)//P20550  
 F-PLACE1007525

# EP 1 074 617 A2

F-PLACE1007537//MYOTROPHIN (V-1 PROTEIN) (GRANULE CELL DIFFERENTIATION PROTEIN)//0.045:92:  
 30//MUS MUSCULUS (MOUSE), AND RATTUS NORVEGICUS (RAT)//P80144  
 F-PLACE1007544//IMMEDIATE-EARLY PROTEIN IE180//1.5e-07:59:50//PSEUDORABIES VIRUS (STRAIN  
 KAPLAN) (PRV)//P33479  
 5 F-PLACE1007547//HYPOTHETICAL 97.1 KD PROTEIN R05D3.4 IN CHROMOSOME III//2.5e-16:188:34//  
 CAENORHABDITIS ELEGANS//P34537  
 F-PLACE1007557  
 F-PLACE1007583//PROLINE RICH 33 KD EXTENSIN-RELATED PROTEIN PRECURSOR (FRAGMENT)//0.98:  
 72:33//DAUCUS CAROTA (CARROT) //P06600  
 10 F-PLACE1007598//ZINC FINGER PROTEIN 92 (ZINC FINGER PROTEIN HTF12) (FRAGMENT)//1.7e-11:88:  
 43//HOMO SAPIENS (HUMAN) //Q03936  
 F-PLACE1007618//ANION EXCHANGE PROTEIN 2 (NON-ERYTHROID BAND 3-LIKE PROTEIN) (B3RP)//0.19:  
 109:27//MUS MUSCULUS (MOUSE)//P13808  
 F-PLACE1007621//PHOSPHATE REGULON SENSOR PROTEIN PHOR (EC 2.7.3.-) (FRAGMENT)//0.98:34:  
 15 41//PSEUDOMONAS AERUGINOSA//P23621  
 F-PLACE1007632//COLLAGEN ALPHA 2(I) CHAIN (FRAGMENT)//0.70:110:34//BOS TAURUS (BOVINE)//  
 P02465  
 F-PLACE1007645//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//0.99:20:45//STRUTHIO CAMELUS (OS-  
 TRICH)//Q21401  
 20 F-PLACE1007649//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSI-  
 DASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE)//8.1e-06:197:26//SACCHAROMYCES CEREVISIAE  
 (BAKER'S YEAST)//P08640  
 F-PLACE1007677//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/1.0:47:46//HOMO SAPIENS (HUMAN)//  
 P39192  
 25 F-PLACE1007688//LA PROTEIN HOMOLOG (LA RIBONUCLEOPROTEIN) (LA AUTOANTIGEN HOMOLOG)//  
 2.7e-06:116:28//AEDES ALBOPICTUS (FOREST DAY MOSQUITO)//Q26457  
 F-PLACE1007690//SPERM PROTAMINE P1//0.12:26:50//TACHYGLOSSUS ACULEATUS ACULEATUS (AUS-  
 TRALIAN ECHIDNA)//P35311  
 F-PLACE1007697//SPERM PROTAMINE P1//0.19:34:52//DIDELPHIS MARSUPIALIS VIRGINIANA (NORTH  
 30 AMERICAN OPOSSUM), AND MONODELPHIS DOMESTICA (SHORT-TAILED GREY OPOSSUM)//P35305  
 F-PLACE1007705//BIOH PROTEIN//0.015:97:29//ESCHERICHIA COLI//P13001  
 F-PLACE1007706//HYPOTHETICAL 112.2 KD PROTEIN IN TIF35-NPL3 INTERGENIC REGION (ORF1)//5.3e-  
 55:190:56//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P32898  
 F-PLACE1007725  
 35 F-PLACE1007729//PROTEASE (EC 3.4.23.-)//1.8e-21:136:42//MOUSE MAMMARY TUMOR VIRUS (STRAIN  
 BR6)//P10271  
 F-PLACE1007730//SALIVARY PROLINE-RICH PROTEIN II-1 (FRAGMENT)//0.0031:77:40//HOMO SAPIENS  
 (HUMAN)//P81489  
 F-PLACE1007737//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/0.78:39:56//HOMO SAPIENS (HUMAN)//  
 40 P39195  
 F-PLACE1007743  
 F-PLACE1007746//RRP5 PROTEIN HOMOLOG (KIAA0185) (FRAGMENT)//0.0066:168:25//HOMO SAPIENS  
 (HUMAN)//Q14690  
 F-PLACE1007791//KRUEPPEL PROTEIN (FRAGMENT)//0.62:17:41//LITHOBIUS FORFICATUS//Q01872  
 45 F-PLACE1007807//HYPOTHETICAL 6.4 KD PROTEIN IN BLTR-SPOIIIIC INTERGENIC REGION//1.0:40:30//BA-  
 CILLUS SUBTILIS//P54446  
 F-PLACE1007810//ANTHOPLEURIN A (TOXIN AP-A)//0.79:28:46//ANTHOPLEURA XANTHOGRAMMICA (GI-  
 ANT GREEN SEA ANEMONE)//P01530  
 F-PLACE1007829//SPORE COAT PROTEIN G//1.0:65:38//BACILLUS SUBTILIS//P39801  
 50 F-PLACE1007843  
 F-PLACE1007846//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//1.5e-32:37:94//HOMO SAPIENS (HU-  
 MAN)//P08547  
 F-PLACE1007852//RHO-RELATED GTP-BINDING PROTEIN RHOH (GTP-BINDING PROTEIN TTF)//8.7e-05:  
 138:30//HOMO SAPIENS (HUMAN)//Q15669  
 55 F-PLACE1007858//ANAPHASE SPINDLE ELONGATION PROTEIN//0.0039:127:25//SACCHAROMYCES CER-  
 EVISIAE (BAKER'S YEAST)//P50275  
 F-PLACE1007866  
 F-PLACE1007877

F-PLACE1007897//CD44 ANTIGEN PRECURSOR (PHAGOCYTTIC GLYCOPROTEIN I) (PGP-1) (HUTCH-I) (EX-  
 TRACELLULAR MATRIX RECEPTOR-III) (ECMR-III) (GP90 LYMPHOCYTE HOMING/ADHESION RECEPTOR)  
 (HERMES ANTIGEN) (HYALURONATE RECEPTOR) (HEPARAN SULFATE PROTEOGLYCAN) (HAM1 ANTI-  
 GEN)//0.44:128:28//MESOCRICETUS AURATUS (GOLDEN HAMSTER)//Q60522  
 5 F-PLACE1007908//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!//5.5e-28:61:65//HOMO SAPIENS (HUMAN)//  
 P39192  
 F-PLACE1007946//HYPOTHETICAL MERCURIC RESISTANCE PROTEIN MERC//0.84:48:37//PSEU-  
 DOMONAS AERUGINOSA//P04139  
 F-PLACE1007954//HYPOTHETICAL 45.5 KD PROTEIN IN FIG1-GIP1 INTERGENIC REGION//0.00070:96:29//  
 10 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38226  
 F-PLACE1007955//HYPOTHETICAL 84.3 KD PROTEIN ZK945.10 IN CHROMOSOME II//0.00027:255:23//  
 CAENORHABDITIS ELEGANS//Q09625  
 F-PLACE1007958//HIGH-AFFINITY CAMP-SPECIFIC 3',5'-CYCLIC PHOSPHODIESTERASE (EC 3.1.4.17)//  
 1.7e-09:127:30//MUS MUSCULUS (MOUSE)//P70453  
 15 F-PLACE1007969//HYPOTHETICAL 24.1 KD PROTEIN IN LEF4-P33 INTERGENIC REGION//2.4e-05:104:37//  
 AUTOGRAPHAL CALIFORNICA NUCLEAR POLYHEDROSIS VIRUS (ACMPV)//P41479  
 F-PLACE1007990//SPERM PROTAMINE P1//0.78:36:47//ORNITHORHYNCHUS ANATINUS (DUCKBILL PLAT-  
 YPUS)//P35307  
 F-PLACE1008000//CHANNEL ASSOCIATED PROTEIN OF SYNAPSE-110 (CHAPSIN-110) (SYNAPTIC DEN-  
 20 SITY PROTEIN PSD-93)//1.2e-16:128:39//RATTUS NORVEGICUS (RAT)//Q63622  
 F-PLACE1008002  
 F-PLACE1008044//NUCLEAR PORE COMPLEX PROTEIN NUP107 (NUCLEOPORIN NUP107) (107 KD NU-  
 CLEOPORIN) (P105)//3.9e-106:208:93//RATTUS NORVEGICUS (RAT)//P52590  
 F-PLACE1008045//COLLAGEN ALPHA 1(XII) CHAIN (FRAGMENTS)//3.9e-09:49:53//BOS TAURUS (BO-  
 25 VINE)//P25508  
 F-PLACE1008080//RNA REPLICASE POLYPROTEIN (EC 2.7.7.48)//0.00025:100:27//EGGPLANT MOSAIC VI-  
 RUS//P20126  
 F-PLACE1008095//PROTOPORPHYRINOGEN OXIDASE (EC 1.3.3.4) (PPO)//0.90:74:25//MYCOBACTERIUM  
 TUBERCULOSIS//Q53230  
 30 F-PLACE1008111//HYPOTHETICAL PROTEIN MJCS12//0.30:38:42//METHANOCOCCUS JANNASCHII//  
 Q60311  
 F-PLACE1008122//PEA2 PROTEIN (PPF2 PROTEIN)//0.0085:117:34//SACCHAROMYCES CEREVISIAE  
 (BAKER'S YEAST)//P40091  
 F-PLACE1008129//PROCOLLAGEN ALPHA 2(I) CHAIN PRECURSOR (FRAGMENTS)//1.8e-06:154:36//GAL-  
 35 LUS GALLUS (CHICKEN)//P02467  
 F-PLACE1008132//HYPOTHETICAL 127.4 KD PROTEIN F07F6.4 IN CHROMOSOME III//1.4e-13:227:36//  
 CAENORHABDITIS ELEGANS//Q09531  
 F-PLACE1008177//TRICHOHYALIN//2.7e-10:230:26//OVIS ARIES (SHEEP)//P22793  
 F-PLACE1008181  
 40 F-PLACE1008198//SKIN SECRETORY PROTEIN XP2 PRECURSOR (APEG PROTEIN)//0.00044:121:34//  
 XENOPUS LAEVIS (AFRICAN CLAWED FROG)//P17437  
 F-PLACE1008201//ZINC FINGER PROTEIN ZFMSA12A//3.0e-05:82:37//MICROPTERUS SALMOIDES  
 (LARGEMOUTH BASS)//P38621  
 F-PLACE1008209//METALLOTHIONEIN-I (MT-I)//0.95:39:35//CERCOPITHECUS AETHIOPS (GREEN MON-  
 45 KEY) (GRIVET)//P02797  
 F-PLACE1008231//PROCYCLIC FORM SPECIFIC POLYPEPTIDE B1-ALPHA PRECURSOR (PROCYCLIN)  
 (PARP)//0.028:23:52//TRYPANOSOMA BRUCEI BRUCEI//P08469  
 F-PLACE1008244//VEGETATILE INCOMPATIBILITY PROTEIN HET-E-1//2.2e-23:148:38//PODOSPORA AN-  
 SERINA//Q00808  
 50 F-PLACE1008273//COATOMER GAMMA SUBUNIT (GAMMA-COAT PROTEIN) (GAMMA-COP)//1.1e-97:222:  
 81//BOS TAURUS (BOVINE)//P53620  
 F-PLACE1008275//DNA REPAIR PROTEIN REV1 (EC 2.7.7.-)//5.8e-20:161:37//SACCHAROMYCES CEREVI-  
 SIAE (BAKER'S YEAST)//P12689  
 F-PLACE1008280//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//6.1e-23:124:42//HOMO SAPIENS (HU-  
 55 MAN)//P08547  
 F-PLACE1008309//HYPOTHETICAL 98.3 KD PROTEIN C9G1.06C IN CHROMOSOME I//0.47:99:37//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//O14302  
 F-PLACE1008329//PUTATIVE Z PROTEIN//0.73:52:28//OVIS ARIES (SHEEP)//P08105

# EP 1 074 617 A2

F-PLACE1008330/////ALU SUBFAMILY SQ WARNING ENTRY !!!!!/9.0e-37:75:81//HOMO SAPIENS (HUMAN)//  
P39194  
F-PLACE1008331/////ALU SUBFAMILY J WARNING ENTRY !!!!!/4.1e-08:70:50//HOMO SAPIENS (HUMAN)//  
P39188  
5 F-PLACE1008356//FRUIT PROTEIN PKIW1501./0.0037:148:29//ACTINIDIA CHINENSIS (KIWI) (YANGTAO)//  
P43393  
F-PLACE1008368//RING CANAL PROTEIN (KELCH PROTEIN)//3.5e-18:205:30//DROSOPHILA MELA-  
NOGASTER (FRUIT FLY)//Q04652  
F-PLACE1008369  
10 F-PLACE1008392  
F-PLACE1008398//GENE 33 POLYPEPTIDE./1.5e-102:225:84//RATTUS NORVEGICUS (RAT)//P05432  
F-PLACE1008401//PROLINE-RICH PROTEIN MP-3 (FRAGMENT)//2.9e-08:186:34//MUS MUSCULUS  
(MOUSE)//P05143  
F-PLACE1008402//GENERAL VESICULAR TRANSPORT FACTOR P115 (TRANSCYTOSIS ASSOCIATED  
15 PROTEIN) (TAP)//9.4e-105:207:98//BOS TAURUS (BOVINE)//P41541  
F-PLACE1008405  
F-PLACE1008424//PROTEIN UL56./1.0:65:33//HERPES SIMPLEX VIRUS (TYPE 1 / STRAIN HFEM)//P36297  
F-PLACE1008426//MYOSIN HEAVY CHAIN, NON-MUSCLE (ZIPPER PROTEIN) (MYOSIN II)//4.4e-05:185:28//  
DROSOPHILA MELANOGASTER (FRUIT FLY)//Q99323  
20 F-PLACE1008429//NEURONAL AXONAL MEMBRANE PROTEIN NAP-22./0.00054:172:25//RATTUS NOR-  
VEGICUS (RAT)//Q05175  
F-PLACE1008437//HYPOTHETICAL 115.4 KD PROTEIN ZK757.3 IN CHROMOSOME III./1.9e-23:226:34//  
CAENORHABDITIS ELEGANS//P34681  
F-PLACE1008455//DNA-BINDING PROTEIN (AGNOPROTEIN)//0.97:23:52//BUDGERIGAR FLEDGLING DIS-  
25 EASE VIRUS (BFDV)//P13893  
F-PLACE1008457/////ALU SUBFAMILY J WARNING ENTRY !!!!!/2.1e-12:89:47//HOMO SAPIENS (HUMAN)//  
P39188  
F-PLACE1008465//ZINC FINGER PROTEIN 31 (ZINC FINGER PROTEIN KOX29) (FRAGMENT)//0.00017:23:  
43//HOMO SAPIENS (HUMAN)//P17040  
30 F-PLACE1008488//HYPOTHETICAL PROTEIN UL61./9.1e-05:204:30//HUMAN CYTOMEGALOVIRUS  
(STRAIN AD169)//P16818  
F-PLACE1008524//HOMEBOX PROTEIN HLX1 (HOMEBOX PROTEIN HB24)//0.95:74:36//HOMO SAPIENS  
(HUMAN)//Q14774  
F-PLACE1008531/////ALU SUBFAMILY SC WARNING ENTRY !!!!!/3.1e-05:86:45//HOMO SAPIENS (HUMAN)//  
35 P39192  
F-PLACE1008532//HYPOTHETICAL 36.4 KD PROTEIN IN SMP1-MBA1 INTERGENIC REGION./3.9e-21:62:  
45//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38298  
F-PLACE1008533//HYPOTHETICAL 86.2 KD PROTEIN C4G8.04 IN CHROMOSOME I./3.5e-06:118:29//  
SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09830  
40 F-PLACE1008568//NEURONATIN./0.046:34:52//HOMO SAPIENS (HUMAN)//Q16517  
F-PLACE1008584//HUNCHBACK PROTEIN (FRAGMENT)//0.94:30:43//LITHOBIUS FORFICATUS//Q02030  
F-PLACE1008603//NUCLEAR PORE COMPLEX PROTEIN NUP155 (NUCLEOPORIN NUP155) (155 KD NU-  
CLEOPORIN) (P140)//3.9e-123:224:96//RATTUS NORVEGICUS (RAT)//P37199  
F-PLACE1008621//B-CELL GROWTH FACTOR PRECURSOR (BCGF-12 KD)//5.0e-05:31:67//HOMO SAPIENS  
45 (HUMAN)//P20931  
F-PLACE1008625//DISAGREGIN (PLATELET AGGREGATION ACTIVATION INHIBITOR)//0.87:17:52//ORNI-  
THODOROS MOUBATA (SOFT TICK)//P36235  
F-PLACE1008626//METALLOTHIONEIN-I (MT-I)//0.77:33:36//SCYLLA SERRATA (MUD CRAB)//P02805  
F-PLACE1008627//METALLOTHIONEIN-III (MT-III) (GROWTH INHIBITORY FACTOR) (GIF) (GIFB)//0.14:44:  
50 31//HOMO SAPIENS (HUMAN)//P25713  
F-PLACE1008629  
F-PLACE1008630//PROTAMINE Z3 (SCYLLIORHININE Z3)//0.78:33:36//SCYLLIORHINUS CANICULA (SPOT-  
TED DOGFISH) (SPOTTED CATSHARK)//P30258  
F-PLACE1008643//INTER-ALPHA-TRYPSIN INHIBITOR HEAVY CHAIN H4 PRECURSOR (ITI HEAVY CHAIN  
55 H4) (INTER-ALPHA-TRYPSIN INHIBITOR FAMILY HEAVY CHAIN-RELATED PROTEIN) (PLASMA KALLIKREIN  
SENSITIVE GLYCOPROTEIN 120) (PK-120)//1.7e-30:220:41//HOMO SAPIENS (HUMAN)//Q14624  
F-PLACE1008650//PP1/PP2A PHOSPHATASES PLEIOTROPIC REGULATOR PRL1./2.5e-10:106:31//ARABI-  
DOPSIS THALIANA (MOUSE-EAR CRESS)//Q42384

# EP 1 074 617 A2

F-PLACE1008693//BOWMAN-BIRK TYPE PROTEINASE INHIBITOR (MSTI)//1.0:36:38//MEDICAGO SCUTEL-  
 LATA (SNAIL MEDIC)//P80321  
 F-PLACE1008696//NADH-UBIQUINONE OXIDOREDUCTASE 23 KD SUBUNIT PRECURSOR (EC 1.6.5.3) (EC  
 1.6.99.3) (COMPLEX I-23KD) (CI-23KD) (TYKY SUBUNIT)//4.8e-14:47:80//HOMO SAPIENS (HUMAN)//  
 5 O00217  
 F-PLACE1008715//HYPOTHETICAL 13.4 KD PROTEIN IN ACT5-YCK1 INTERGENIC REGION//0.66:105:24//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38834  
 F-PLACE1008748//HYPOTHETICAL 57.5 KD PROTEIN IN VMA7-RPS25A INTERGENIC REGION//0.10:178:  
 26//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53214  
 10 F-PLACE1008757//HYPOTHETICAL 10.1 KD PROTEIN IN RHSD-GCL INTERGENIC REGION (ORFD3)//0.60:  
 44:34//ESCHERICHIA COLI//P33669  
 F-PLACE1008790//IMPORTIN ALPHA-6 SUBUNIT (KARYOPHERIN ALPHA-6 SUBUNIT) (IMPORTIN ALPHA  
 S2)//3.0e-69:191:80//MUS MUSCULUS (MOUSE)//O35345  
 F-PLACE1008798//BACTERIOCIN LACTOBIN A//1.0:34:41//LACTOBACILLUS AMYLOVORUS //P80696  
 15 F-PLACE1008807//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//0.91:77:36//HOMO SAPIENS (HU-  
 MAN)//P08547  
 F-PLACE1008808//REC1 PROTEIN//0.45:39:30//USTILAGO MAYDIS (SMUT FUNGUS)//P14746  
 F-PLACE1008813  
 F-PLACE1008851//VERY HYPOTHETICAL 11.8 KD PROTEIN IN KTR3-DUR1,2 INTERGENIC REGION//1.0:  
 20 62:30//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38309  
 F-PLACE1008854//HYPOTHETICAL 182.0 KD PROTEIN IN NMD5-HOM6 INTERGENIC REGION//1.0:82:26//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P47170  
 F-PLACE1008867//PATATIN T5 PRECURSOR (POTATO TUBER PROTEIN)//0.65:61:36//SOLANUM TUBERO-  
 SUM (POTATO)//P15478  
 25 F-PLACE1008887//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//1.5e-56:180:54//NYCTICEBUS COU-  
 CANG (SLOW LORIS)//P08548  
 F-PLACE1008902  
 F-PLACE1008920  
 F-PLACE1008925//HYPOTHETICAL 41.2 KD PROTEIN IN GAPA-RND INTERGENIC REGION//0.90:77:33//ES-  
 30 CHERICHIA COLI//P76242  
 F-PLACE1008934//HYPOTHETICAL PROTEIN IN ADHS 5'REGION (ORF3) (FRAGMENT)//0.14:77:45//GLU-  
 CONOBACTER SUBOXIDANS//O05543  
 F-PLACE1008941//ZINC FINGER PROTEIN 141//1.1e-17:45:95//HOMO SAPIENS (HUMAN)//Q15928  
 F-PLACE1008947//MAJOR CENTROMERE AUTOANTIGEN B (CENTROMERE PROTEIN B) (CENP-B)//4.1e-  
 35 14:136:39//MUS MUSCULUS (MOUSE)//P27790  
 F-PLACE1009020//ANNEXIN VII (SYNEXIN) (FRAGMENT)//0.74:37:48//BOS TAURUS (BOVINE)//P20072  
 F-PLACE1009027//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 4L (EC 1.6.5.3)//0.39:57:36//BALAENOP-  
 TERA MUSCULUS (BLUE WHALE)//P41301  
 F-PLACE1009039  
 40 F-PLACE1009045//HYPOTHETICAL 9.5 KD PROTEIN IN SPEA-METK INTERGENIC REGION (F83)//0.48:32:  
 43//ESCHERICHIA COLI//P46879  
 F-PLACE1009048  
 F-PLACE1009050  
 F-PLACE1009060//HYPOTHETICAL 98.3 KD PROTEIN R10E12.1 IN CHROMOSOME III//4.9e-23:244:31//  
 45 CAENORHABDITIS ELEGANS//P34552  
 F-PLACE1009090//50S RIBOSOMAL PROTEIN L35//1.0:27:51//MYCOPLASMA GENITALIUM//P47439  
 F-PLACE1009091  
 F-PLACE1009094//NEL-LIKE PROTEIN (FRAGMENT)//3.6e-15:180:30//HOMO SAPIENS (HUMAN)//Q92832  
 F-PLACE1009099//ZINC FINGER PROTEIN 27 (ZFP-27) (MKR4 PROTEIN) (FRAGMENT)//1.4e-94:228:71//  
 50 MUS MUSCULUS (MOUSE)//P10077  
 F-PLACE1009110//HIRUDIN HV1 (BUFRUDIN)//1.0:49:34//HIRUDINARIA MANILLENSIS (BUFFALO LEECH)//  
 P81492  
 F-PLACE1009111//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/1.4e-05:30:83//HOMO SAPIENS (HUMAN)//  
 P39195  
 55 F-PLACE1009113//ANNEXIN VII (SYNEXIN) (FRAGMENT)//0.032:40:52//BOS TAURUS (BOVINE)//P20072  
 F-PLACE1009130//HYPOTHETICAL PROTEIN KIAA0032//3.3e-37:214:38//HOMO SAPIENS (HUMAN)//  
 Q15034  
 F-PLACE1009150//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/1.6e-32:56:76//HOMO SAPIENS (HUMAN)//

P39195  
 F-PLACE1009155//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/1.2e-17:101:57//HOMO SAPIENS (HUMAN)//P39194  
 F-PLACE1009158//HYPOTHETICAL PROTEIN HKRFX (J11)//0.0058:73:42//HUMAN CYTOMEGALOVIRUS (STRAIN AD169)//P09711  
 5 F-PLACE1009166//CYTOSOLIC PURINE 5'-NUCLEOTIDASE (EC 3.1.3.5)//0.0086:96:30//HOMO SAPIENS (HUMAN)//P49902  
 F-PLACE1009172//HYPOTHETICAL 8.7 KD PROTEIN IN GAPA-RND INTERGENIC REGION//1.0:19:52//ESCHERICHIA COLI//P76246  
 10 F-PLACE1009174//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/3.1e-17:47:82//HOMO SAPIENS (HUMAN)//P39194  
 F-PLACE1009183  
 F-PLACE1009186//HYPOTHETICAL 11.4 KD PROTEIN C13G6.04 IN CHROMOSOME I//0.019:62:24//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09783  
 15 F-PLACE1009190//PALMITOYL-COA HYDROLASE (EC 3.1.2.2) (LONG-CHAIN FATTY-ACYL-COA HYDROLASE) (FRAGMENT)//0.027:53:28//RATTUS NORVEGICUS (RAT)//P80250  
 F-PLACE1009200//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/5.4e-28:84:71//HOMO SAPIENS (HUMAN)//P39194  
 F-PLACE1009230//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/2.8e-12:50:74//HOMO SAPIENS (HUMAN)//P39189  
 20 F-PLACE1009246//UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX 7.8 KD PROTEIN (EC 1.10.2.2) (MITOCHONDRIAL HINGE PROTEIN) (CR7)//1.0:17:52//SOLANUM TUBEROSUM (POTATO)//P48504  
 F-PLACE1009298//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS35//6.6e-41:177:53//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P34110  
 25 F-PLACE1009308//KERATIN, ULTRA HIGH-SULFUR MATRIX PROTEIN (UHS KERATIN)//0.00034:108:33//HOMO SAPIENS (HUMAN)//P26371  
 F-PLACE1009319//PRESYNAPTIC DENSITY PROTEIN 95 (PSD-95)//5.3e-16:84:50//HOMO SAPIENS (HUMAN)//P78352  
 F-PLACE1009328//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//6.9e-82:263:67//HOMO SAPIENS (HUMAN)//P08547  
 30 F-PLACE1009335//60S RIBOSOMAL PROTEIN L32//0.95:71:36//HOMO SAPIENS (HUMAN), MUS MUSCULUS (MOUSE), AND RATTUS NORVEGICUS (RAT)//P02433  
 F-PLACE1009338//TRANSCRIPTION FACTOR HES-5 (HAIRY AND ENHANCER OF SPLIT 5)//0.90:42:40//MUS MUSCULUS (MOUSE)//P70120  
 35 F-PLACE1009368//BASIC PROLINE-RICH PEPTIDE IB-1//0.013:33:48//HOMO SAPIENS (HUMAN)//P04281  
 F-PLACE1009375//HYPOTHETICAL 88.1 KD PROTEIN K02D10.1 IN CHROMOSOME III//0.0022:135:21//CAENORHABDITIS ELEGANS//P34492  
 F-PLACE1009388//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/4.8e-22:73:65//HOMO SAPIENS (HUMAN)//P39195  
 40 F-PLACE1009398//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2)//8.1e-83:223:65//HOMO SAPIENS (HUMAN)//P51523  
 F-PLACE1009404//GLUTENIN, HIGH MOLECULAR WEIGHT SUBUNIT PW212 PRECURSOR//0.047:145:29//TRITICUM AESTIVUM (WHEAT)//P08489  
 F-PLACE1009410//TOXIN C13S1C1 PRECURSOR//0.22:21:47//DENDROASPIS ANGUSTICEPS (EASTERN GREEN MAMBA)//P18329  
 45 F-PLACE1009434//NADH-UBIQUINONE OXIDOREDUCTASE SUBUNIT K (EC 1.6.5.3) (FRAGMENT)//0.81:61:29//ANTHOCEROS FORMOSAE//Q31791  
 F-PLACE1009443//SPLICEOSOME ASSOCIATED PROTEIN 62 (SAP 62) (SF3A66)//9.1e-05:93:32//MUS MUSCULUS (MOUSE)//Q62203  
 50 F-PLACE1009444//PHOSPHATIDYLINOSITOL 4-KINASE ALPHA (EC 2.7.1.67) (PI4-KINASE) (PTDINS-4-KINASE) (PI4K-ALPHA)//6.4e-15:41:97//HOMO SAPIENS (HUMAN)//P42356  
 F-PLACE1009459//HYPOTHETICAL 42.3 KD PROTEIN C12G12.11C IN CHROMOSOME I//0.0011:119:31//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09874  
 F-PLACE1009468//PHOSPHOLIPASE A-2-ACTIVATING PROTEIN (PLAP)//4.2e-34:101:75//RATTUS NORVEGICUS (RAT)//P54319  
 55 F-PLACE1009476//DNA-BINDING P52/P100 COMPLEX, 100 KD SUBUNIT (FRAGMENTS)//0.086:21:52//HOMO SAPIENS (HUMAN)//P30808  
 F-PLACE1009477

F-PLACE1009493//HYPOTHETICAL 127.3 KD PROTEIN B0416.1 IN CHROMOSOME X.//1.4e-18:138:39//  
 CAENORHABDITIS ELEGANS.//Q11069  
 F-PLACE1009524//ARF NUCLEOTIDE-BINDING SITE OPENER (ARNO PROTEIN) (ARF EXCHANGE FAC-  
 TOR).//9.4e-80:155:85//HOMO SAPIENS (HUMAN).//Q99418  
 5 F-PLACE1009539//GTP-BINDING NUCLEAR PROTEIN RAN/TC4.//1.0:76:26//GIARDIA LAMBLIA (GIARDIA IN-  
 TESTINALIS).//P38543  
 F-PLACE1009542//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/0.00016:31:77//HOMO SAPIENS (HUMAN).//  
 P39188  
 F-PLACE1009571//ATP SYNTHASE B CHAIN (EC 3.6.1.34) (SUBUNIT I).//0.88:116:29//STREPTOCOCCUS  
 10 PNEUMONIAE.//Q59952  
 F-PLACE1009581//50S RIBOSOMAL PROTEIN L32.//0.00023:37:51//RHODOBACTER CAPSULATUS (RHO-  
 DOPSEUDOMONAS CAPSULATA).//P30788  
 F-PLACE1009595  
 F-PLACE1009596//HYPOTHETICAL 40.4 KD TRP-ASP REPEATS CONTAINING PROTEIN C14B1.4 IN CHRO-  
 15 MOSOME III.//2.1e-36:116:49//CAENORHABDITIS ELEGANS.//Q17963  
 F-PLACE1009607//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/1.8e-43:73:69//HOMO SAPIENS (HUMAN).//  
 P39188  
 F-PLACE1009613  
 F-PLACE1009621//TRANSCRIPTION FACTOR BTF3 HOMOLOG 2.//0.91:29:44//HOMO SAPIENS (HUMAN).//  
 20 Q13891  
 F-PLACE1009622//MATERNAL EFFECT PROTEIN STAUFEN.//1.3e-22:132:47//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY).//P25159  
 F-PLACE1009637//HYPOTHETICAL 18.1 KD PROTEIN IN CFXA 3'REGION.//0.30:28:57//BACTEROIDES VUL-  
 GATUS.//P30905  
 25 F-PLACE1009639//LIPASE MODULATOR PRECURSOR (LIPASE HELPER PROTEIN).//0.23:79:31//PSEU-  
 DOMONAS AERUGINOSA.//Q04591  
 F-PLACE1009659//MEMBRANE-ASSOCIATED PROTEIN HEM-2 (BRAIN PROTEIN H19) (MH19) (FRAG-  
 MENT).//3.9e-126:227:96//MUS MUSCULUS (MOUSE).//P28660  
 F-PLACE1009665//IG KAPPA CHAIN V-I REGION (HAU).//0.52:89:35//HOMO SAPIENS (HUMAN).//P01600  
 30 F-PLACE1009670//CYCLOMALTODEXTRIN GLUCANOTRANSFERASE PRECURSOR (EC 2.4.1.19) (CYCLO-  
 DEXTRIN-GLYCOSYLTRANSFERASE) (CGTASE).//0.16:114:29//PAENIBACILLUS MACERANS (BACILLUS  
 MACERANS).//P31835  
 F-PLACE1009708//HYPOTHETICAL 143.3 KD TRP-ASP REPEATS CONTAINING PROTEIN C12G12.13C IN  
 CHROMOSOME I.//9.6e-19:156:36//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST).//Q09876  
 35 F-PLACE1009721//MSF1 PROTEIN.//7.7e-23:176:33//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST).//  
 P35200  
 F-PLACE1009731//AIG1 PROTEIN.//1.1e-09:91:43//ARABIDOPSIS THALIANA (MOUSE-EAR CRESS).//  
 P54120  
 F-PLACE1009763//HYPOTHETICAL 48.9 KD PROTEIN C24H6.12C IN CHROMOSOME I.//8.3e-42:171:51//  
 40 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST).//Q09765  
 F-PLACE1009794//C-HORDEIN (CLONE PC HOR1-3) (FRAGMENT).//0.99:36:33//HORDEUM VULGARE (BAR-  
 LEY).//P17991  
 F-PLACE1009798//HYPOTHETICAL PROTEIN C22F3.14C IN CHROMOSOME I (FRAGMENT).//2.6e-34:191:  
 38//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST).//Q09779  
 45 F-PLACE1009845//WEB1 PROTEIN (PROTEIN TRANSPORT PROTEIN SEC31).//2.2e-19:190:33//SACCHA-  
 ROMYCES CEREVISIAE (BAKER'S YEAST).//P38968  
 F-PLACE1009861//CATHEPSIN B PRECURSOR (EC 3.4.22.1).//4.4e-20:171:33//BOS TAURUS (BOVINE).//  
 P07688  
 F-PLACE1009879//HYPOTHETICAL 8.7 KD PROTEIN IN RPL22-RPL23 INTERGENIC REGION (ORF70).//0.99:  
 50 30:33//ASTASIA LONGA (EUGLENOPHYCEAN ALGA).//P34779  
 F-PLACE1009886  
 F-PLACE1009888//NONSTRUCTURAL POLYPROTEIN [CONTAINS: NONSTRUCTURAL PROTEIN NSP4]  
 (FRAGMENT).//1.0:33:42//WESTERN EQUINE ENCEPHALITIS VIRUS.//P13896  
 F-PLACE1009908//HYPOTHETICAL GTP-BINDING PROTEIN C3F10.16C IN CHROMOSOME I.//3.1e-42:205:  
 55 46//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST).//Q10190  
 F-PLACE1009921  
 F-PLACE1009924//ATP SYNTHASE A CHAIN (EC 3.6.1.34) (PROTEIN 6).//0.70:128:29//TRYPANOSOMA BRU-  
 CEI BRUCEI.//P24499

- F-PLACE1009925//ATP SYNTHASE D CHAIN, MITOCHONDRIAL (EC 3.6.1.34)//0.99:111:27//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P30902
- F-PLACE1009935//HYPOTHETICAL PROTEIN MJ0258//0.063:75:32//METHANOCOCCUS JANNASCHII//Q57706
- 5 F-PLACE1009947//NEUROGRANIN (NG) (P17) (B-50 IMMUNOREACTIVE C-KINASE SUBSTRATE) (BICKS) (FRAGMENT)//0.33:51:45//BOS TAURUS (BOVINE)//P35722
- F-PLACE1009971//MIPP PROTEIN (MURINE IAP-PROMOTED PLACENTA-EXPRESSED PROTEIN)//0.022:84:27//MUS MUSCULUS (MOUSE)//P28575
- 10 F-PLACE1009992//BONE MORPHOGENETIC PROTEIN 1 PRECURSOR (EC 3.4.24.-) (BMP-1)//0.00011:35:51//HOMO SAPIENS (HUMAN)//P13497
- F-PLACE1009995//TROPOMYOSIN, SMOOTH MUSCLE/FIBROBLAST CTM1//0.052:185:22//CIONA INTESTINALIS//Q07068
- F-PLACE1009997//TRANSCRIPTION ELONGATION FACTOR S-II (RNA POLYMERASE II ELONGATION FACTOR DMS-II) (TFIIS)//0.68:98:28//DROSOPHILA MELANOGASTER (FRUIT FLY)//P20232
- 15 F-PLACE1010023//HYPOTHETICAL 83.8 KD PROTEIN C27F2.7 IN CHROMOSOME III//6.6e-06:111:32//CAENORHABDITIS ELEGANS//Q18262
- F-PLACE1010031//HYPOTHETICAL 24.1 KD PROTEIN IN LEF4-P33 INTERGENIC REGION//0.0024:72:33//AUTOGRAPHA CALIFORNICA NUCLEAR POLYHEDROSIS VIRUS (ACMPV)//P41479
- F-PLACE1010053//HYPOTHETICAL PROTEIN HI0593//0.83:24:45//HAEMOPHILUS INFLUENZAE//P44022
- 20 F-PLACE1010069
- F-PLACE1010074//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS5//0.00027:192:28//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//Q92331
- F-PLACE1010076//HUNCHBACK PROTEIN (FRAGMENT)//0.80:39:30//SCIARA COPROPHILA (FUNGUS GNAT)//Q01790
- 25 F-PLACE1010083//RHO-GAP HEMATOPOIETIC PROTEIN C1 (P115) (KIAA0131)//2.7e-48:177:46//HOMO SAPIENS (HUMAN)//P98171
- F-PLACE1010089//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 11 (EC 3.1.2.15) (UBIQUITIN THIOLESTERASE 11) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 13) (DEUBIQUITINATING ENZYME 11) (KIAA0055)//7.9e-07:55:43//HOMO SAPIENS (HUMAN)//P40818
- 30 F-PLACE1010096//100 KD PROTEIN (EC 6.3.2.-)//1.0e-107:232:90//RATTUS NORVEGICUS (RAT)//Q62671
- F-PLACE1010102//DNA-DIRECTED RNA POLYMERASE SUBUNIT N (EC 2.7.7.6)//1.0:33:45//METHANOCOCCUS JANNASCHII//Q57649
- F-PLACE1010105//RING CANAL PROTEIN (KELCH PROTEIN)//1.2e-47:200:46//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q04652
- 35 F-PLACE1010106//RETROVIRUS-RELATED POL POLYPROTEIN [CONTAINS: REVERSE TRANSCRIPTASE (EC 2.7.7.49); ENDONUCLEASE]//1.2e-14:94:41//MUS MUSCULUS (MOUSE)//P11369
- F-PLACE1010134//HYPOTHETICAL 171.5 KD HELICASE IN NUT1-ARO2 INTERGENIC REGION//4.0e-28:78:76//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53115
- F-PLACE1010148//GAR2 PROTEIN//2.6e-05:180:26//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//P41891
- 40 F-PLACE1010152//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 64E (EC 3.1.2.15) (UBIQUITIN THIOLESTERASE 64E) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 64E) (DEUBIQUITINATING ENZYME 64E)//2.1e-59:227:54//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q24574
- F-PLACE1010181//MALE SPECIFIC SPERM PROTEIN MST87F//0.39:12:58//DROSOPHILA MELANOGASTER (FRUIT FLY)//P08175
- 45 F-PLACE1010194//SPLICING FACTOR, ARGININE/SERINE-RICH 2 (SPLICING FACTOR SC35) (SC-35) (SPLICING COMPONENT, 35 KD) (PR264 PROTEIN)//1.4e-07:95:43//GALLUS GALLUS (CHICKEN)//P30352
- F-PLACE1010202//TRISTETRAPROLINE (TTP) (TIS11A) (TIS11) (ZFP-36)//0.094:109:29//RATTUS NORVEGICUS (RAT)//P47973
- 50 F-PLACE1010231//LANTIBIOTIC NISIN A PRECURSOR//0.99:42:35//LACTOCOCCUS LACTIS (SUBSP. LACTIS) (STREPTOCOCCUS LACTIS)//P13068
- F-PLACE1010261//SEGREGATION DISTORTER PROTEIN//6.0e-71:201:62//DROSOPHILA MELANOGASTER (FRUIT FLY)//P25722
- F-PLACE1010270
- 55 F-PLACE1010274//HYPOTHETICAL 16.2 KD PROTEIN C4F8.01 IN CHROMOSOME I//4.4e-08:100:26//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//O14177
- F-PLACE1010293//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/3.9e-26:94:64//HOMO SAPIENS (HUMAN)//P39188



F-PLACE1010310//SYNAPSINS IA AND IB//5.7e-09:89:37//RATTUS NORVEGICUS (RAT)//P09951  
 F-PLACE1010321//IMMEDIATE-EARLY PROTEIN IE180//0.033:145:31//PSEUDORABIES VIRUS (STRAIN KAPLAN) (PRV)//P33479  
 F-PLACE1010324//MAST CELL DEGRANULATING PEPTIDE (MCDP) (MCD)//0.60:25:48//MEGABOMBUS PENNSYLVANICUS (AMERICAN COMMON BUMBLEBEE)//P04567  
 5 F-PLACE1010329//TOXIN S5C10//1.0:39:33//DENDROASPIS JAMESONI KAIMOSAE (EASTERN JAMESON'S MAMBA)//P01419  
 F-PLACE1010341//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/0.0049:49:55//HOMO SAPIENS (HUMAN)//P39189  
 10 F-PLACE1010362//VARIANT-SURFACE-GLYCOPROTEIN PHOSPHOLIPASE C (EC 3.1.4.47) (VSG LIPASE) (GLYCOSYLPHOSPHATIDYLINOSITOL-SPECIFIC PHOSPHOLIPASE C) (GPI-PLC)//0.0034:89:30//TRYPANOSOMA CRUZI//015886  
 F-PLACE1010364//NADH-UBIQUINONE OXIDOREDUCTASE B17 SUBUNIT (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I-B17) (CI-B17)//1.0:40:35//SUS SCROFA (PIG)//Q29259  
 15 F-PLACE1010383  
 F-PLACE1010401//140 KD NUCLEOLAR PHOSPHOPROTEIN (NOPP140)//0.10:174:22//RATTUS NORVEGICUS (RAT)//P41777  
 F-PLACE1010481//HYPOTHETICAL 71.9 KD PROTEIN B0285.5 IN CHROMOSOME III//1.5e-21:170:35//CAENORHABDITIS ELEGANS//P46555  
 20 F-PLACE1010491//HYPOTHETICAL 13.5 KD PROTEIN IN MOB1-SGA1 INTERGENIC REGION//1.0:31:41//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40490  
 F-PLACE1010492//HYPOTHETICAL 42.3 KD PROTEIN C12G12.11C IN CHROMOSOME I//0.77:97:30//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09874  
 F-PLACE1010522//SMALL PROLINE RICH PROTEIN II (SPR-II) (CLONE 930)//0.74:45:37//HOMO SAPIENS (HUMAN)//P22531  
 25 F-PLACE1010529//DELTA 1-PYRROLINE-5-CARBOXYLATE SYNTHETASE (P5CS) [CONTAINS: GLUTAMATE 5-KINASE (EC 2.7.2.11) (GAMMA-GLUTAMYL KINASE) (GK); GAMMA-GLUTAMYL PHOSPHATE REDUCTASE (GPR) (EC 1.2.1.41) (GLUTAMATE-5-SEMIALDEHYDE DEHYDROGENASE) (GLUTAMYL-GAMMA-SEMIALDEHYDE DEHYDROGENASE)]//0.70:58:39//VIGNA ACONITIFOLIA (MOTHBEAN)//P32296  
 30 F-PLACE1010547//HYPOTHETICAL 31.0 KD PROTEIN IN BUD9-RME1 INTERGENIC REGION//0.17:68:39//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53227  
 F-PLACE1010562//CHLOROPLAST 50S RIBOSOMAL PROTEIN L33//0.50:48:29//PORPHYRA PURPUREA//P51255  
 F-PLACE1010579//HYPOTHETICAL PROTEIN HI1571//0.29:37:43//HAEMOPHILUS INFLUENZAE//P44260  
 35 F-PLACE1010580//PUTATIVE ATP-DEPENDENT RNA HELICASE C12C2.06//3.3e-38:178:48//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q09747  
 F-PLACE1010599//PEROXISOMAL MEMBRANE PROTEIN PER10 (PEROXIN-14)//4.6e-17:192:31//PICHIA ANGUSTA (YEAST) (HANSENULA POLYMORPHA)//P78723  
 F-PLACE1010616//HYPOTHETICAL 9.2 KD PROTEIN IN RNPA 3'REGION//0.44:32:37//PSEUDOMONAS PUTIDA//P25753  
 40 F-PLACE1010622//A-AGGLUTININ ATTACHMENT SUBUNIT PRECURSOR//5.0e-06:102:42//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P32323  
 F-PLACE1010624//SALIVARY PROLINE-RICH PROTEIN PO (ALLELE K) [CONTAINS: PEPTIDE P-D] (FRAGMENT)//0.00036:134:321//HOMO SAPIENS (HUMAN)//P10162  
 45 F-PLACE1010628  
 F-PLACE1010629//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/2.7e-12:37:81//HOMO SAPIENS (HUMAN)//P39194  
 F-PLACE1010630  
 F-PLACE1010631//WNT-5B PROTEIN (FRAGMENT)//0.49:62:30//EUMECES SKILTONIANUS (WESTERN SKINK)//P28118  
 50 F-PLACE1010661//MATERNAL EXUPERANTIA 2 PROTEIN//1.0:95:30//DROSOPHILA PSEUDOOBSCURA (FRUIT FLY)//Q24617  
 F-PLACE1010662//UDP-GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE PRECURSOR (EC 2.4.1.-) (DUGT)//3.2e-05:117:24//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q09332  
 55 F-PLACE1010702//ZINC FINGER PROTEIN 195//1.4e-62:117:62//HOMO SAPIENS (HUMAN)//O14628  
 F-PLACE1010714  
 F-PLACE1010720//CHROMOSOME ASSEMBLY PROTEIN XCAP-C//1.1e-64:176:76//XENOPUS LAEVIS (AFRICAN CLAWED FROG)//P50532

# EP 1 074 617 A2

F-PLACE1010739//TAT PROTEIN (TRANSACTIVATING REGULATORY PROTEIN) (FRAGMENT)//0.97:31:41//  
 HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (BH5 ISOLATE) (HIV-1)//P04612  
 F-PLACE1010743//PROLINE-RICH PROTEIN MP-3 (FRAGMENT)//3.8e-05:253:30//MUS MUSCULUS  
 (MOUSE)//P05143  
 5 F-PLACE1010761//HYPOTHETICAL 37.0 KD PROTEIN B0495.8 IN CHROMOSOME II//1.5e-14:175:25//  
 CAENORHABDITIS ELEGANS//Q09217  
 F-PLACE1010771//TRANSCRIPTIONAL REGULATOR PROTEIN HCNGP//1.3e-120:216:89//MUS MUSCULUS  
 (MOUSE)//Q02614  
 10 F-PLACE1010786//CENTROSOMIN (ARROW PROTEIN)//0.97:133:24//DROSOPHILA MELANOGASTER  
 (FRUIT FLY)//P54623  
 F-PLACE1010800//HYPOTHETICAL 31.7 KD PROTEIN IN TRAX-FINO INTERGENIC REGION (ORFC)//  
 0.0060:111:31//ESCHERICHIA COLI//Q99390  
 F-PLACE1010802//UREASE ACCESSORY PROTEIN UREI//0.82:44:29//BACILLUS SP. (STRAIN TB-90)//  
 Q07415  
 15 F-PLACE1010811//CYTOCHROME C-551 (C551)//0.99:42:38//ECTOTHIORHODOSPIRA HALOCHLORIS//  
 P38587  
 F-PLACE1010833//CALTRACTIN, ISOFORM 1 (CENTRIN)//2.8e-09:90:34//HOMO SAPIENS (HUMAN)//  
 P41208  
 F-PLACE1010856//MOLT-INHIBITING HORMONE (MIH)//1.0:32:37//PROCAMBARUS CLARKII (RED SWAMP  
 20 CRAYFISH)//P55848  
 F-PLACE1010857//IG ALPHA-1 CHAIN C REGION//0.49:73:34//GORILLA GORILLA GORILLA (LOWLAND GO-  
 RILLA)//P20758  
 F-PLACE1010870//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7)//1.2e-56:173:58//HO-  
 MO SAPIENS (HUMAN)//Q05481  
 25 F-PLACE1010877//HEAT SHOCK PROTEIN 82//0.13:130:25//ZEA MAYS (MAIZE)//Q08277  
 F-PLACE1010891//HYPOTHETICAL 8.2 KD PROTEIN IN BLTR-SPOIIC INTERGENIC REGION//0.95:51:27//  
 BACILLUS SUBTILIS//P54436  
 F-PLACE1010896//SERINE/THREONINE-PROTEIN KINASE PTK1/STK1 (EC 2.7.1.1)//0.98:71:30//SACCHA-  
 ROMYCES CEREVISIAE (BAKER'S YEAST)//P36002  
 30 F-PLACE1010900//HYPOTHETICAL PROTEIN HI0840//1.0:42:30//HAEMOPHILUS INFLUENZAE//P44897  
 F-PLACE1010916//KERATIN, HIGH-SULFUR MATRIX PROTEIN, IIB3//0.060:59:35//OVIS ARIES (SHEEP)//  
 P02444  
 F-PLACE1010917//E2 GLYCOPROTEIN PRECURSOR (SPIKE GLYCOPROTEIN) (PEPLOMER PROTEIN)//  
 0.71:141:24//BOVINE CORONAVIRUS (STRAIN L9)//P25191  
 35 F-PLACE1010925//HYPOTHETICAL 8.1 KD PROTEIN//1.0:17:58//THERMOPROTEUS TENAX VIRUS 1  
 (STRAIN KRA1) (TTV1)//P19285  
 F-PLACE1010926//HYPOTHETICAL PROLINE-RICH PROTEIN KIAA0269//0.011:51:45//HOMO SAPIENS (HU-  
 MAN)//Q92558  
 F-PLACE1010942//EPIDERMAL GROWTH FACTOR RECEPTOR SUBSTRATE SUBSTRATE 15 (PROTEIN  
 40 EPS15)//3.1e-09:64:37//MUS MUSCULUS (MOUSE)//P42567  
 F-PLACE1010944//GAP JUNCTION ALPHA-3 PROTEIN (CONNEXIN 44) (CX44)//0.17:71:38//BOS TAURUS  
 (BOVINE)//P41987  
 F-PLACE1010947  
 F-PLACE1010954//TROPOMYOSIN ALPHA CHAIN, SKELETAL MUSCLE//0.011:144:26//HOMO SAPIENS  
 45 (HUMAN)//P09493  
 F-PLACE1010960//ACTIN-LIKE PROTEIN 13E//1.1 e-60:136:52//DROSOPHILA MELANOGASTER (FRUIT  
 FLY)//P45890  
 F-PLACE1010965  
 F-PLACE1011026//PERIOD CLOCK PROTEIN (FRAGMENT)//1.0:64:31//DROSOPHILA ANANASSAE (FRUIT  
 50 FLY)//Q03293  
 F-PLACE1011032//RIBONUCLEASE HI (EC 3.1.26.4) (RNASE HI) (RIBONUCLEASE H) (RNASE H)//1.0:32:37//  
 SALMONELLA TYPHIMURIUM//P23329  
 F-PLACE1011041//HOMEBOX PROTEIN VAB-7//0.36:65:30//CAENORHABDITIS ELEGANS//Q93899  
 F-PLACE1011046//1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE BETA 1 (EC  
 55 3.1.4.11) (PLC-BETA-1) (PHOSPHOLIPASE C-BETA-1) (PLC-I) (PLC-154)//1.3e-22:58:93//RATTUS NORVEGI-  
 CUS (RAT)//P10687  
 F-PLACE1011054//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!//1.6e-07:38:73//HOMO SAPIENS (HUMAN)//  
 P39195

F-PLACE1011056//HISTONE H1.//2.2e-10:109:41//PISUM SATIVUM (GARDEN PEA)//P08283  
 F-PLACE1011057  
 F-PLACE1011090//HYPOTHETICAL 33.8 KD PROTEIN IN TWT1-FLO5 INTERGENIC REGION//1.8e-07:133:  
 32//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38892  
 5 F-PLACE1011109//ELONGATION FACTOR G, MITOCHONDRIAL PRECURSOR (MEF-G)//5.4e-25:63:88//RAT-  
 TUS NORVEGICUS (RAT)//Q07803  
 F-PLACE1011114//PUTATIVE ATP-DEPENDENT RNA HELICASE C1F7.02C.//8.4e-31:157:45//SCHIZOSAC-  
 CHAROMYCES POMBE (FISSION YEAST)//Q09916  
 F-PLACE1011133//SERUM AMYLOID P-COMPONENT PRECURSOR (SAP) (9.5S ALPHA-1-GLYCOPRO-  
 10 TEIN)//0.92:58:31//HOMO SAPIENS (HUMAN)//P02743  
 F-PLACE1011143//PROBABLE E5 PROTEIN//0.24:42:35//HUMAN PAPILLOMAVIRUS TYPE31//P17385  
 F-PLACE1011160//EARLY NODULIN 55-2 PRECURSOR (N-55-2) (NODULIN-315)//0.88:98:27//GLYCINE MAX  
 (SOYBEAN)//Q02917  
 F-PLACE1011165//HISTIDINE-RICH PROTEIN//0.013:13:76//PLASMODIUM FALCIPARUM (ISOLATE FCM17 /  
 15 SENEGAL)//P14586  
 F-PLACE1011185//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/1.4e-13:98:50//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-PLACE1011203  
 F-PLACE1011214//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//1.0:48:27//EQUUS ASINUS (DONKEY)//  
 20 P92479  
 F-PLACE1011219//PROBABLE OXIDOREDUCTASE (EC 1.-.-.)//1.9e-15:162:31//STREPTOMYCES ANTIBI-  
 OTICUS//Q03326  
 F-PLACE1011221//ANTITHROMBIN-III HOMOLOG//0.84:74:33//FOWLPOX VIRUS (ISOLATE HP-438[MU-  
 NICH))//P14369  
 25 F-PLACE1011229//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 4 (EC 3.1.2.15) (UBIQUITIN THIOLESTE-  
 RASE 4) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 4) (DEUBIQUITINATING ENZYME 4) (UBIQUI-  
 TUS NUCLEAR PROTEIN HOMOLOG)//3.5e-86:218:68//HOMO SAPIENS (HUMAN)//Q13107  
 F-PLACE1011263//ANKYRIN, BRAIN VARIANT 2 (ANKYRIN B) (ANKYRIN, NONERYTHROID) (FRAGMENT)//  
 3.0e-07:99:36//HOMO SAPIENS (HUMAN)//Q01485  
 30 F-PLACE1011273  
 F-PLACE1011291//PROTEIN KINASE C SUBSTRATE 80 KD PROTEIN (FRAGMENTS)//0.011:36:50//RATTUS  
 NORVEGICUS (RAT)//P20468  
 F-PLACE1011296//HOMEBOX PROTEIN DLX-6.//0.76:55:32//BRACHYDANIO RERIO (ZEBRAFISH) (ZEBRA  
 DANIO)//Q98877  
 35 F-PLACE1011310//ATP SYNTHASE PROTEIN 9, MITOCHONDRIAL (EC 3.6.1.34) (LIPID-BINDING PROTEIN)//  
 0.46:43:44//PETUNIA SP. (PETUNIA)//Q07060  
 F-PLACE1011325//HYPOTHETICAL 222.8 KD PROTEIN C1F3.06C IN CHROMOSOME I.//0.00021:171:27//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q10411  
 F-PLACE1011332//DNA-DAMAGE-REPAIR/TOLERATION PROTEIN DRT101 PRECURSOR.//7.3e-27:113:52//  
 40 ARABIDOPSIS THALIANA (MOUSE-EAR CRESS)//Q05211  
 F-PLACE1011340//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/2.6e-07:40:62//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-PLACE1011371//INTER-ALPHA-TRYPSIN INHIBITOR HEAVY CHAIN H2 PRECURSOR (ITI HEAVY CHAIN  
 H2).//2.2e-54:227:44//MUS MUSCULUS (MOUSE)//Q61703  
 45 F-PLACE1011375//PROBABLE E5 PROTEIN//0.93:28:57//HUMAN PAPILLOMAVIRUS TYPE 51.//P26553  
 F-PLACE1011399//HISTONE H2B-IV.//0.19:129:27//VOLVOX CARTERI.//P16868  
 F-PLACE1011419  
 F-PLACE1011433//ZINC FINGER PROTEIN GLI3 (FRAGMENT).//3.4e-05:133:24//GALLUS GALLUS (CHICK-  
 EN)//P55879  
 50 F-PLACE1011452//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG.//3.9e-25:76:63//HOMO SAPIENS (HU-  
 MAN)//P08547  
 F-PLACE1011465//ECTODERMAL DYSPLASIA PROTEIN (EDA PROTEIN).//0.97:36:41//HOMO SAPIENS (HU-  
 MAN)//Q92838  
 F-PLACE1011472//METALLOTHIONEIN-1 (CUMT-1).//0.084:55:30//HOMARUS AMERICANUS (AMERICAN  
 55 LOBSTER).//P29499  
 F-PLACE1011477//CELL SURFACE GLYCOPROTEIN 1 PRECURSOR (OUTER LAYER PROTEIN B) (S-LAYER  
 PROTEIN 1).//0.028:129:34//CLOSTRIDIUM THERMOCELLUM//Q06852  
 F-PLACE1011492//NON-GREEN PLASTID TRIOSE PHOSPHATE TRANSLOCATOR PRECURSOR (CTPT)//

2.9e-13:147:31//BRASSICA OLERACEA (CAULIFLOWER)//P52178  
 F-PLACE1011503//PUTATIVE FERREDOXIN-LIKE PROTEIN IN PURL-DPJ INTERGENIC REGION (086)//0.66:  
 32:40//ESCHERICHIA COLI//P52102  
 F-PLACE1011520  
 5 F-PLACE1011563//LORICRIN//0.00023:112:39//HOMO SAPIENS (HUMAN)//P23490  
 F-PLACE1011567//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!//9.2e-31:78:76//HOMO SAPIENS (HUMAN)//  
 P39195  
 F-PLACE1011576//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7)//1.5e-32:45:86//HO-  
 MO SAPIENS (HUMAN)//Q05481  
 10 F-PLACE1011586//N-TYPE CALCIUM CHANNEL ALPHA-1B SUBUNIT (OMEGA-CONOTOXIN-SENSITIVE N-  
 TYPE, BRAIN CALCIUM CHANNEL ALPHA-1 SUBUNIT)//0.26:81:37//HOMO SAPIENS (HUMAN)//Q00975  
 F-PLACE1011635//IMMEDIATE-EARLY PROTEIN IE180//0.00045:170:30//PSEUDORABIES VIRUS (STRAIN  
 INDIANA-FUNKHAUSER/BECKER) (PRV)//P11675  
 F-PLACE1011641  
 15 F-PLACE1011643//CUTICLE COLLAGEN 40//1.0:128:32//CAENORHABDITIS ELEGANS//P34804  
 F-PLACE1011646//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!//1.1e-15:44:63//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-PLACE1011649//HYPOTHETICAL PROTEIN F-215//0.48:106:34//HUMAN ADENOVIRUS TYPE 2//P03291  
 F-PLACE1011650  
 20 F-PLACE1011664//CROOKED NECK PROTEIN//1.2e-79:201:68//DROSOPHILA MELANOGASTER (FRUIT  
 FLY)//P17886  
 F-PLACE1011675//FERREDOXIN//1.0:44:29//METHANOCOCCUS THERMOLITHOTROPHICUS//P21305  
 F-PLACE1011682//HYPOTHETICAL 7.0 KD PROTEIN IN RPS26A-COX4 INTERGENIC REGION//1.0:40:22//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53098  
 25 F-PLACE1011719//NEUROTOXIN TX2-6//0.90:31:35//PHONEUTRIA NIGRIVENTER (BRAZILIAN ARMED SPI-  
 DER)//P29425  
 F-PLACE1011725//NUCLEOBINDIN PRECURSOR (NUCB1) (BONE 63 KD CALCIUM-BINDING PROTEIN)//  
 0.0065:125:25//RATTUS NORVEGICUS (RAT)//Q63083  
 F-PLACE1011729//SRY-RELATED PROTEIN LG27 (FRAGMENT)//0.97:48:39//EUBLEPHARIS MACULAR-  
 IUS//P40654  
 30 F-PLACE1011749  
 F-PLACE1011762//D-BINDING PROTEIN (DBP) (ALBUMIN D BOX-BINDING PROTEIN)//0.028:91:39//MUS  
 MUSCULUS (MOUSE)//Q60925  
 F-PLACE1011778  
 35 F-PLACE1011783//EMBRYONIC GROWTH/DIFFERENTIATION FACTOR 1 PRECURSOR (GDF-1)//0.97:48:  
 43//MUS MUSCULUS (MOUSE)//P20863  
 F-PLACE1011858//COLLAGEN 1(X) CHAIN PRECURSOR//0.0027:154:33//BOS TAURUS (BOVINE)//P23206  
 F-PLACE1011874//BACTERIOCHLOROPHYLL A PROTEIN (BCHL A PROTEIN) (BCP)//1.0:60:26//PROSTHE-  
 COCHLORIS AESTUARII//P11741  
 40 F-PLACE1011875//HYPOTHETICAL 6.6 KD PROTEIN IN GP54-ALT INTERGENIC REGION//0.99:34:35//AC-  
 TERIOPHAGE T4//P39495  
 F-PLACE1011891//SMOOTHIELIN//0.018:122:31//HOMO SAPIENS (HUMAN)//P53814  
 F-PLACE1011896//SKIN SECRETORY PROTEIN XP2 PRECURSOR (APEG PROTEIN)//6.3e-09:203:35//  
 XENOPUS LAEVIS (AFRICAN CLAWED FROG)//P17437  
 45 F-PLACE1011922//CRYPTIDIN-RELATED PROTEIN 4C-2 PRECURSOR (CRS4C)//0.067:37:48//MUS MUSCU-  
 LUS (MOUSE)//P50715  
 F-PLACE1011923//SERINE/THREONINE-PROTEIN KINASE SNK (EC 2.7.1.-) (SERUM INDUCIBLE KINASE)//  
 1.5e-83:175:89//MUS MUSCULUS (MOUSE)//P53351  
 F-PLACE1011962//MATING-TYPE PHEROMONE BAP1(2) PRECURSOR//0.50:46:41//SCHIZOPHYLLUM  
 50 COMMUNE (BRACKET FUNGUS)//Q02593  
 F-PLACE1011964//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//1.6e-05:47:51//NYCTICEBUS COU-  
 CANG (SLOW LORIS)//P08548  
 F-PLACE1011982//APICAL MEMBRANE ANTIGEN 1 PRECURSOR (MEROZOITE SURFACE ANTIGEN)//0.98:  
 83:31//PLASMODIUM FRAGILE//P22622  
 55 F-PLACE1011995  
 F-PLACE1012031//HYPOTHETICAL PROTEIN KIAA0254//0.032:62:33//HOMO SAPIENS (HUMAN)//Q92543  
 F-PLACE2000003//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!//5.4e-18:63:73//HOMO SAPIENS (HUMAN)//  
 P39193

F-PLACE2000006//ANNEXIN VII (SYNEXIN) (FRAGMENT)//0.14:20:50//BOS TAURUS (BOVINE)//P20072  
 F-PLACE2000007//PROLINE-RICH PROTEIN MP-3 (FRAGMENT)//0.0045:176:30//MUS MUSCULUS  
 (MOUSE)//P05143  
 5 F-PLACE2000011//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/3.6e-25:57:78//HOMO SAPIENS (HUMAN)//  
 P39194  
 F-PLACE2000014//HYPOTHETICAL HELICASE C28H8.3 IN CHROMOSOME III//0.00013:237:27//  
 CAENORHABDITIS ELEGANS//Q09475  
 F-PLACE2000015//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/1.4e-33:60:80//HOMO SAPIENS (HUMAN)//  
 P39193  
 10 F-PLACE2000017//FOLATE RECEPTOR BETA PRECURSOR (FR-BETA) (FOLATE RECEPTOR 2) (FOLATE  
 RECEPTOR, FETAL/PLACENTAL) (PLACENTAL FOLATE-BINDING PROTEIN) (FBP)//1.0:83:31//HOMO SAPI-  
 ENS (HUMAN)//P14207  
 F-PLACE2000021//EPHRIN TYPE-A RECEPTOR 4 PRECURSOR (EC 2.7.1.112) (TYROSINE-PROTEIN KI-  
 NASE RECEPTOR CEK8)//0.99:103:26//GALLUS GALLUS (CHICKEN)//Q07496  
 15 F-PLACE2000030//MALE SPECIFIC SPERM PROTEIN MST84DA//0.69:29:44//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY)//Q01642  
 F-PLACE2000033//PROBABLE OXIDOREDUCTASE (EC 1.-.-.-)//1.1e-05:74:41//STREPTOMYCES ANTIBIOTI-  
 CUS//Q03326  
 F-PLACE2000034//AXONIN-1 PRECURSOR (AXONAL GLYCOPROTEIN TAG-1) (TRANSIENT AXONAL GLYC-  
 OPROTEIN 1)//6.7e-18:191:35//HOMO SAPIENS (HUMAN)//Q02246  
 20 F-PLACE2000039//DYNEIN HEAVY CHAIN, CYTOSOLIC (DYHC) (MAP 1C)//4.7e-80:163:96//RATTUS NOR-  
 VEGICUS (RAT)//P38650  
 F-PLACE2000047//!!!! ALU SUBFAMILY SB2 WARNING ENTRY !!!!!/6.4e-06:63:49//HOMO SAPIENS (HU-  
 MAN)//P39191  
 25 F-PLACE2000050//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/3.2e-22:74:64//HOMO SAPIENS (HUMAN)//  
 P39192  
 F-PLACE2000061  
 F-PLACE2000062//GLUCOSE STARVATION-INDUCIBLE PROTEIN B (GENERAL STRESS PROTEIN B)//1.9e-  
 06:108:37//BACILLUS SUBTILIS//P26907  
 30 F-PLACE2000072//ZINC FINGER PROTEIN 165//3.5e-34:175:49//HOMO SAPIENS (HUMAN)//P49910  
 F-PLACE2000097//RIBONUCLEASE PANCREATIC (EC 3.1.27.5) (RNASE 1) (RNASE A)//0.36:39:38//ONDAT-  
 RA ZIBETHICUS (MUSKRAT)//P00681  
 F-PLACE2000100  
 F-PLACE2000103//TUBULIN ALPHA-4 CHAIN (FRAGMENTS)//0.18:32:37//ZEA MAYS (MAIZE)//P33626  
 35 F-PLACE2000111//CMRF35 ANTIGEN PRECURSOR//0.056:107:27//HOMO SAPIENS (HUMAN)//Q08708  
 F-PLACE2000115//DIAMINOPIMELATE EPIMERASE (EC 5.1.1.7) (DAP EPIMERASE) (FRAGMENT)//1.0:21:  
 52//CLOSTRIDIUM PERFRINGENS//Q46185  
 F-PLACE2000124//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/3.4e-37:108:68//HOMO SAPIENS (HU-  
 MAN)//P39194  
 40 F-PLACE2000132//PROBABLE MEMBRANE ANTIGEN GP85//0.99:133:29//EPSTEIN-BARR VIRUS (STRAIN  
 B95-8) (HUMAN HERPESVIRUS 4)//P03224  
 F-PLACE2000136//VASOACTIVE INTESTINAL POLYPEPTIDE RECEPTOR 2 PRECURSOR (VIP-R-2) (PITUI-  
 TARY ADENYLATE CYCLASE ACTIVATING POLYPEPTIDE TYPE III RECEPTOR) (PACAP TYPE III RECEP-  
 TOR) (PACAP-R-3)//0.83:65:32//MUS MUSCULUS (MOUSE)//P41588  
 45 F-PLACE2000140  
 F-PLACE2000164//TIPD PROTEIN//5.7e-12:190:28//DICTYOSTELIUM DISCOIDEUM (SLIME MOLD)//  
 O15736  
 F-PLACE2000170//BACTERIOCIN CARNOBACTERIOCIN BM1 PRECURSOR (CARNOBACTERIOCIN B1)//  
 1.0:30:26//CARNOBACTERIUM PISCICOLA//P38579  
 50 F-PLACE2000172  
 F-PLACE2000176//HYPOTHETICAL PROTEIN AF0526//0.76:44:43//ARCHAEOGLOBUS FULGIDUS//O29724  
 F-PLACE2000187//EM-LIKE PROTEIN GEA6//0.84:42:35//ARABIDOPSIS THALIANA (MOUSE-EAR CRESS)//  
 Q02973  
 F-PLACE2000216  
 55 F-PLACE2000223//NEUROTOXIN III (LQQ III)//0.99:38:34//LEIURUS QUINQUESTRIATUS QUINQUESTRIA-  
 TUS (EGYPTIAN SCORPION)//P01487  
 F-PLACE2000235  
 F-PLACE2000246//RING CANAL PROTEIN (KELCH PROTEIN)//5.1e-37:121:42//DROSOPHILA MELA-

NOGASTER (FRUIT FLY)//Q04652  
 F-PLACE2000264//!!!! ALU SUBFAMILY SB2 WARNING ENTRY !!!!!/2.4e-05:77:42//HOMO SAPIENS (HUMAN)//P39191  
 F-PLACE2000274//DYNEIN BETA CHAIN, CILIARY//5.3e-46:232:45//TRIPNEUSTES GRATILLA (HAWAIIAN SEA URCHIN)//P23098  
 5 F-PLACE2000302//TRICHOHYALIN//1.5e-06:215:29//ORYCTOLAGUS CUNICULUS (RABBIT)//P37709  
 F-PLACE2000305//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/5.3e-06:33:66//HOMO SAPIENS (HUMAN)//P39188  
 F-PLACE2000317//TOXIN C13S1C1 PRECURSOR//0.44:45:33//DENDROASPIS ANGUSTICEPS (EASTERN GREEN MAMBA)//P18329  
 10 F-PLACE2000335//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/7.9e-08:35:71//HOMO SAPIENS (HUMAN)//P39195  
 F-PLACE2000341//SODIUM/GLUCOSE COTRANSPORTER 1 (NA(+)/GLUCOSE COTRANSPORTER 1) (HIGH AFFINITY SODIUM-GLUCOSE COTRANSPORTER)//0.014:141:24//ORYCTOLAGUS CUNICULUS (RABBIT)//P11170  
 15 F-PLACE2000342//HYPOTHETICAL 24.1 KD PROTEIN IN LEF4-P33 INTERGENIC REGION//5.7e-09:96:38//AUTOGRAPHIA CALIFORNICA NUCLEAR POLYHEDROSIS VIRUS (ACMPV)//P41479  
 F-PLACE2000347//ZINC FINGER PROTEIN 177//5.9e-05:49:53//HOMO SAPIENS (HUMAN)//Q13360  
 F-PLACE2000359//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/7.5e-10:69:52//HOMO SAPIENS (HUMAN)//P39194  
 20 F-PLACE2000366  
 F-PLACE2000371//ATROPHIN-1 (DENTATORUBRAL-PALLIDOLUYSIAN ATROPHY PROTEIN)//1.5e-05:216:29//HOMO SAPIENS (HUMAN)//P54259  
 F-PLACE2000373//MAX BINDING PROTEIN MNT (ROX PROTEIN) (MYC ANTAGONIST MNT)//0.27:63:33//HOMO SAPIENS (HUMAN)//Q99583  
 25 F-PLACE2000379//HYPOTHETICAL GENE 1 PROTEIN//0.72:120:31//EQUINE HERPESVIRUS TYPE 1 (STRAIN AB4P) (EHV-1)//P28978  
 F-PLACE2000394//BASIC PROLINE-RICH PEPTIDE P-E (IB-9)//0.95:40:42//HOMO SAPIENS (HUMAN)//P02811  
 30 F-PLACE2000398//RIBONUCLEASE PRECURSOR (EC 3.1.27.-)//0.88:88:31//AEROMONAS HYDROPHILA//Q07465  
 F-PLACE2000399//T-CELL SURFACE GLYCOPROTEIN E2 PRECURSOR (E2 ANTIGEN) (CD99) (MIC2 PROTEIN) (12E7)//7.6e-16:180:39//HOMO SAPIENS (HUMAN)//P14209  
 F-PLACE2000404//PROBABLE LEUCYL-TRNA SYNTHETASE (EC 6.1.1.4) (LEUCINE-TRNA LIGASE) (LEURS)//1.7e-94:243:64//CAENORHABDITIS ELEGANS//Q09996  
 35 F-PLACE2000411//SERINE/THREONINE PROTEIN PHOSPHATASE 5 (EC 3.1.3.16) (PP5) (PROTEIN PHOSPHATASE T) (PPT) (FRAGMENT)//1.2e-09:78:39//MUS MUSCULUS (MOUSE)//Q60676  
 F-PLACE2000419//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/2.6e-20:61:62//HOMO SAPIENS (HUMAN)//P39188  
 40 F-PLACE2000425//HYPOTHETICAL 11.9 KD PROTEIN IN MSB2-UGA1 INTERGENIC REGION//0.98:75:32//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53211  
 F-PLACE2000427//INSULIN PRECURSOR//0.98:55:34//CERCOPITHECUS AETHIOPS (GREEN MONKEY) (GRIVET)//P30407  
 F-PLACE2000433//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/7.5e-07:65:50//HOMO SAPIENS (HUMAN)//P39188  
 45 F-PLACE2000435  
 F-PLACE2000438//HYPOTHETICAL 67.9 KD PROTEIN ZK688.8 IN CHROMOSOME III//4.7e-66:178:47//CAENORHABDITIS ELEGANS//P34678  
 F-PLACE2000450//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/2.1e-23:88:62//HOMO SAPIENS (HUMAN)//P39195  
 50 F-PLACE2000455//TOXIN II (TOXIN II.10.9.2) (FRAGMENT)//0.093:18:44//CENTRUROIDES LIMPIDUS LIMPIDUS (MEXICAN SCORPION)//P45630  
 F-PLACE2000458//CADHERIN-RELATED TUMOR SUPPRESSOR PRECURSOR (FAT PROTEIN)//3.1e-23:165:40//DROSOPHILA MELANOGASTER (FRUIT FLY)//P33450  
 55 F-PLACE2000465//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/3.6e-23:73:63//HOMO SAPIENS (HUMAN)//P39188  
 F-PLACE2000477//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/4.4e-37:90:78//HOMO SAPIENS (HUMAN)//P39194

F-PLACE3000004//EYES ABSENT HOMOLOG 3.//1.1e-09:27:100//MUS MUSCULUS (MOUSE)//P97480  
 F-PLACE3000009//PUTATIVE CUTICLE COLLAGEN C09G5.6.//0.0061:148:34//CAENORHABDITIS ELE-  
 GANS.//Q09457  
 5 F-PLACE3000020//ADENYLATE CYCLASE, OLFACTIVE TYPE (EC 4.6.1.1) (TYPE III) (ATP PYROPHOS-  
 PHATE-LYASE) (ADENYL CYCLASE).//8.8e-93:193:92//RATTUS NORVEGICUS (RAT)//P21932  
 F-PLACE3000029//50S RIBOSOMAL PROTEIN L31E.//0.15:50:38//METHANOCOCCUS JANNASCHII.//P54009  
 F-PLACE3000059//TCP1-CHAPERONIN COFACTOR A.//0.96:50:34//BOS TAURUS (BOVINE).//P48427  
 F-PLACE3000070//HYPOTHETICAL 17.1 KD PROTEIN IN PUR5 3'REGION.//0.29:22:59//SACCHAROMYCES  
 CEREVISIAE (BAKER'S YEAST).//P38898  
 10 F-PLACE3000103//LYSIS PROTEIN (E PROTEIN) (GPE).//0.99:53:32//BACTERIOPHAGE ALPHA-3.//P31280  
 F-PLACE3000119//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/5.4e-41:87:78//HOMO SAPIENS (HUMAN).//  
 P39189  
 F-PLACE3000121//VESICULAR TRAFFIC CONTROL PROTEIN SEC151/1.0e-07:269:22//SACCHAROMYCES  
 CEREVISIAE (BAKER'S YEAST).//P22224  
 15 F-PLACE3000124//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/1.2e-29:97:73//HOMO SAPIENS (HUMAN).//  
 P39188  
 F-PLACE3000136//PARS INTERCEREBRALIS MAJOR PEPTIDE D1 (PMP-D1).//0.77:26:42//LOCUSTA MIGRA-  
 TORIA (MIGRATORY LOCUST).//P80059  
 F-PLACE3000142//HYPOTHETICAL 7.1 KD PROTEIN IN NAD2 3'REGION (ORF 63).//0.82:34:41//MARCHAN-  
 TIA POLYMORPHA (LIVERWORT).//P38468  
 20 F-PLACE3000145//TENSIN.//3.5e-91:238:74//GALLUS GALLUS (CHICKEN).//Q04205  
 F-PLACE3000147//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/4.4e-30:61:65//HOMO SAPIENS (HUMAN).//  
 P39194  
 F-PLACE3000148//POL POLYPROTEIN [CONTAINS: PROTEASE (EC 3.4.23.-); REVERSE TRANSCRIPTASE  
 (EC 2.7.7.49); ENDONUCLEASE].//1.4e-18:226:34//GIBBON APE LEUKEMIA VIRUS.//P21414  
 25 F-PLACE3000155//EXTENSIN PRECURSOR (PROLINE-RICH GLYCOPROTEIN).//0.00014:107:33//ZEA MAYS  
 (MAIZE).//P14918  
 F-PLACE3000156//POL POLYPROTEIN [CONTAINS: PROTEASE (EC 3.4.23.-); REVERSE TRANSCRIPTASE  
 (EC 2.7.7.49); ENDONUCLEASE].//2.7e-19:169:30//BABOON ENDOGENOUS VIRUS (STRAIN M7).//P10272  
 30 F-PLACE3000157//PROBABLE SERINE/THREONINE-PROTEIN KINASE CY50.16 (EC 2.7.1.-).//0.0061:92:30//  
 MYCOBACTERIUM TUBERCULOSIS.//Q11053  
 F-PLACE3000158//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/5.7e-49:56:80//HOMO SAPIENS (HUMAN).//  
 P39189  
 F-PLACE3000160//DNA TRANSFORMATION PROTEIN TFOX (COMPETENCE ACTIVATOR) (PROTEIN SXY).//  
 35 0.39:94:34//HAEMOPHILUS INFLUENZAE.//P43779  
 F-PLACE3000169//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/5.6e-28:99:59//HOMO SAPIENS (HUMAN).//  
 P39193  
 F-PLACE3000194//PROLINE-RICH PROTEIN LAS17.//0.91:80:36//SACCHAROMYCES CEREVISIAE (BAK-  
 ER'S YEAST).//Q12446  
 40 F-PLACE3000197//NEUROFILAMENT TRIPLET M PROTEIN (160 KD NEUROFILAMENT PROTEIN) (NF-M).//  
 0.24:119:32//GALLUS GALLUS (CHICKEN).//P16053  
 F-PLACE3000199//EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN).//  
 0.76:87:37//NICOTIANA TABACUM (COMMON TOBACCO).//P13983  
 F-PLACE3000207//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/4.5e-09:32:78//HOMO SAPIENS (HUMAN).//  
 45 P39188  
 F-PLACE3000208  
 F-PLACE3000218//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/7.2e-34:96:70//HOMO SAPIENS (HUMAN).//  
 P39194  
 F-PLACE3000220//OSTEOCALCIN (GAMMA-CARBOXYGLUTAMIC ACID-CONTAINING PROTEIN) (BONE  
 50 GLA- PROTEIN) (BGP).//0.46:13:53//CANIS FAMILIARIS (DOG).//P81455  
 F-PLACE3000221//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/2.8e-24:178:45//HOMO SAPIENS (HUMAN).//  
 P39188  
 F-PLACE3000226//30S RIBOSOMAL PROTEIN S18.//0.98:38:34//NEISSERIA GONORRHOEAE.//O07815  
 F-PLACE3000230//METALLOTHIONEIN (MT).//0.97:25:48//OREOCHROMIS MOSSAMBICUS (MOZAMBIQUE  
 55 TILAPIA) (TILAPIA MOSSAMBICA).//P52726  
 F-PLACE3000242//MELANOMA-ASSOCIATED ANTIGEN 8 (MAGE-8 ANTIGEN).//8.0e-21:121:39//HOMO SA-  
 PIENS (HUMAN).//P43361  
 F-PLACE3000244//PROTEIN TSG24 (MEIOTIC CHECK POINT REGULATOR).//2.3e-125:264:87//MUS MUS-

CULUS (MOUSE)//P53995  
 F-PLACE3000254//RTOA PROTEIN (RATIO-A)//0.99:142:23//DICTYOSTELIUM DISCOIDEUM (SLIME MOLD)//P54681  
 F-PLACE3000271//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/2.2e-12:63:53//HOMO SAPIENS (HUMAN)//P39188  
 5 F-PLACE3000276//COLLAGEN ALPHA 1(VIII) CHAIN PRECURSOR (ENDOTHELIAL COLLAGEN)//1.0:55:38//HOMO SAPIENS (HUMAN)//P27658  
 F-PLACE3000304//DNA-BINDING P52/P100 COMPLEX, 100 KD SUBUNIT (FRAGMENTS)//0.0028:31:54//HOMO SAPIENS (HUMAN)//P30808  
 10 F-PLACE3000310//ATROPHIN-1 (DENTATORUBRAL-PALLIDOLUYSIAN ATROPHY PROTEIN)//0.98:82:34//RATTUS NORVEGICUS (RAT)//P54258  
 F-PLACE3000320  
 F-PLACE3000322//GLYCINE-RICH CELL WALL STRUCTURAL PROTEIN 1 PRECURSOR//2.2e-22:61:52//ORYZA SATIVA (RICE)//P25074  
 15 F-PLACE3000331//SMALL PROLINE-RICH PROTEIN II (SPR-II) (CLONE 174N)//0.32:15:53//HOMO SAPIENS (HUMAN)//P22532  
 F-PLACE3000339//CHORION PROTEIN S19//0.34:89:37//DROSOPHILA VIRILIS (FRUIT FLY)//P24516  
 F-PLACE3000341//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 1 (EC 1.6.5.3) (FRAGMENT)//1.0:47:38//COTURNIX COTURNIX JAPONICA (JAPANESE QUAIL)//P24968  
 20 F-PLACE3000350//SERINE/THREONINE-PROTEIN KINASE SULU (EC 2.7.1.-)//3.9e-50:168:60//CAENORHABDITIS ELEGANS //P46549  
 F-PLACE3000352//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/7.8e-29:76:71//HOMO SAPIENS (HUMAN)//P39194  
 F-PLACE3000353//POLYPEPTIDE N-ACETYLGALACTOSAMINYLTRANSFERASE (EC 2.4.1.41) (PROTEIN-UDP ACETYLGALACTOSAMINYLTRANSFERASE) (UDP-GALNAC:POLYPEPTIDE, N- ACETYLGALACTOSAMINYLTRANSFERASE) (GALNAC-T1)//3.0e-09:100:41//HOMO SAPIENS (HUMAN)//Q10472  
 25 F-PLACE3000362//HYPOTHETICAL PROTEIN TP0064//1.0:75:26//TREPONEMA PALLIDUM//O83103  
 F-PLACE3000363//METALLOTHIONEIN (MT)//0.067:42:33//ASTACUS FLUVIATILIS (BROAD-FINGERED CRAYFISH) (ASTACUS ASTACUS)//P55951  
 30 F-PLACE3000365//LYSIS PROTEIN (E PROTEIN) (GPE)//1.0:65:27//BACTERIOPHAGE PHI-K//Q38040  
 F-PLACE3000373//RETROVIRUS-RELATED ENV POLYPROTEIN//1.5e-18:90:47//HOMO SAPIENS (HUMAN)//P10267  
 F-PLACE3000388  
 F-PLACE3000399//!!!!ALU SUBFAMILY SP WARNING ENTRY !!!!!/6.3e-45:60:75//HOMO SAPIENS (HUMAN)//P39193  
 35 F-PLACE3000400  
 F-PLACE3000401//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/3.6e-09:46:73//HOMO SAPIENS (HUMAN)//P39188  
 F-PLACE3000402//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/0.036:43:44//HOMO SAPIENS (HUMAN)//P39188  
 40 F-PLACE3000405//POSTERIOR PITUITARY PEPTIDE//0.70:25:40//BOS TAURUS (BOVINE)//P01154  
 F-PLACE3000406//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/4.3e-09:49:67//HOMO SAPIENS (HUMAN)//P39195  
 F-PLACE3000413//MALE SPECIFIC SPERM PROTEIN MST87F//0.12:42:40//DROSOPHILA MELANOGASTER (FRUIT FLY)//P08175  
 45 F-PLACE3000416//CYLICIN I (MULTIPLE-BAND POLYPEPTIDE I)//0.67:236:21//BOS TAURUS (BOVINE)//P35662  
 F-PLACE3000425//PROLINE-RICH PEPTIDE P-B//0.45:19:42//HOMO SAPIENS (HUMAN)//P02814  
 F-PLACE3000455//AMELOGENIN, CLASS I PRECURSOR//0.0073:81:43//BOS TAURUS (BOVINE)//P02817  
 50 F-PLACE3000475//8.6 KD TRANSGLUTAMINASE SUBSTRATE//1.0:53:32//TACHYPLEUS TRIDENTATUS (JAPANESE HORSESHOE CRAB)//P81281  
 F-PLACE3000477//MUSCARINIC TOXIN 7 (MT-7)//0.13:55:32//DENDROASPIS ANGUSTICEPS (EASTERN GREEN MAMBA)//P80970  
 F-PLACE4000009//MYOSIN HEAVY CHAIN, SMOOTH MUSCLE ISOFORM (SMMHC) (FRAGMENT)//7.0e-19:180:27//HOMO SAPIENS (HUMAN)//P35749  
 55 F-PLACE4000014//X-LINKED HELICASE II (X-LINKED NUCLEAR PROTEIN) (XNP)//3.2e-15:193:30//HOMO SAPIENS (HUMAN)//P46100  
 F-PLACE4000034//BRIDE OF SEVENLESS PROTEIN PRECURSOR//0.0024:97:29//DROSOPHILA MELA-



NOGASTER (FRUIT FLY)//P22815  
 F-PLACE4000049//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/3.8e-32:79:75//HOMO SAPIENS (HUMAN)//  
 P39194  
 F-PLACE4000052//ATP-BINDING CASSETTE TRANSPORTER 1//2.2e-99:178:97//MUS MUSCULUS  
 5 (MOUSE)//P41233  
 F-PLACE4000063//IMMEDIATE-EARLY PROTEIN//0.0017:159:25//HERPESVIRUS SAIMIRI (STRAIN 11)//  
 Q01042  
 F-PLACE4000089  
 F-PLACE4000093  
 10 F-PLACE4000100//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/1.5e-14:68:60//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-PLACE4000106//1A PROTEIN[CONTAINS: HELICASE; METHYLTRANSFERASE]//1.0:46:41//BROAD BEAN  
 MOTTLE VIRUS//Q00020  
 F-PLACE4000128//HYPOTHETICAL PROTEIN E-115//0.00020:101:30//HUMAN ADENOVIRUS TYPE 2//  
 15 P03290  
 F-PLACE4000129//CORNIFIN B (SMALL PROLINE-RICH PROTEIN IB) (SPR-IB) (14.9 KD PANCORNULIN)//  
 0.15:57:31//HOMO SAPIENS (HUMAN)//P22528  
 F-PLACE4000131  
 F-PLACE4000147//COMPETENCE PHEROMONE PRECURSOR//1.0:45:24//BACILLUS SUBTILIS//P45453  
 20 F-PLACE4000156//ZINC FINGER PROTEIN 136//2.1e-88:194:59//HOMO SAPIENS (HUMAN)//P52737  
 F-PLACE4000192//ZINC FINGER PROTEIN 142 (KIAA0236) (HA4654)//0.083:148:26//HOMO SAPIENS (HU-  
 MAN)//P52746  
 F-PLACE4000211//CALPHOTIN//0.20:43:39//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q02910  
 F-PLACE4000222//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/1.1e-05:20:85//HOMO SAPIENS (HUMAN)//  
 25 P39188  
 F-PLACE4000230//DIHYDROFOLATE REDUCTASE (EC 1.5.1.3) / THYMIDYLATE SYNTHASE (EC 2.1.1.45)  
 (DHFR-TS)//1.0:96:28//TRYPANOSOMA BRUCEI BRUCEI//Q027783  
 F-PLACE4000233  
 F-PLACE4000247//METALLOTHIONEIN (MT)//1.0e-05:34:41//PLEURONECTES PLATESSA (PLAICE)//  
 30 P07216  
 F-PLACE4000250//VPU PROTEIN (ORF-X PROTEIN) (UPX PROTEIN)//0.99:33:42//CAPRINE ARTHRITIS EN-  
 CEPHALITIS VIRUS (CAEV)//P31834  
 F-PLACE4000252//MALE SPECIFIC SPERM PROTEIN MST84DB//0.42:24:45//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY)//Q01643  
 35 F-PLACE4000259//PRE-MRNA SPLICING HELICASE BRR2 (EC 3.6.1.-)//3.5e-09:189:32//SACCHAROMYCES  
 CEREVISIAE (BAKER'S YEAST)//P32639  
 F-PLACE4000261//PEREGRIN (BR140 PROTEIN)//5.0e-11:103:37//HOMO SAPIENS (HUMAN)//P55201  
 F-PLACE4000269//INTRACELLULAR PROTEIN TRANSPORT PROTEIN USO1//0.037:181:25//SACCHARO-  
 MYCES CEREVISIAE (BAKER'S YEAST)//P25386  
 40 F-PLACE4000270//COAGULATION FACTOR VII PRECURSOR (EC 3.4.21.21)//1.0:46:39//MUS MUSCULUS  
 (MOUSE)//P70375  
 F-PLACE4000300//50S RIBOSOMAL PROTEIN L32//0.81:28:46//THERMUS AQUATICUS (SUBSP. THER-  
 MOPHILUS)//P80339  
 F-PLACE4000320//FKBP-RAPAMYCIN ASSOCIATED PROTEIN (FRAP) (RAPAMYCIN TARGET PROTEIN)//  
 45 1.6e-29:44:93//HOMO SAPIENS (HUMAN)//P42345  
 F-PLACE4000323  
 F-PLACE4000326//PARATHYMOSIN//0.0018:54:48//HOMO SAPIENS (HUMAN)//P20962  
 F-PLACE4000344//EPIDERMAL GROWTH FACTOR (EGF) (FRAGMENT)//0.97:28:42//SUS SCROFA (PIG)//  
 Q00968  
 50 F-PLACE4000367//NEUROTOXIN 1 (TOXIN SHP-I) (SHNA) (NEUROTOXIN SHI)//1.0:33:36//STOICHACTIS  
 HELIANTHUS (CARRIBEAN SEA ANEMONE) (STICHODACTYLA HELIANTHUS)//P19651  
 F-PLACE4000369//EXTENSIN PRECURSOR (PROLINE-RICH GLYCOPROTEIN)//0.071:42:42//SORGHUM  
 VULGARE (SORGHUM)//P24152  
 F-PLACE4000379//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/1.4e-16:54:77//HOMO SAPIENS (HUMAN)//  
 55 P39193  
 F-PLACE4000387//PHOTOSYSTEM II 4 KD REACTION CENTRE PROTEIN PRECURSOR//0.25:21:52//HOR-  
 DEUM VULGARE (BARLEY), AND SECALE CEREALE (RYE)//P25877  
 F-PLACE4000392//FERROCHELATASE (EC 4.99.1.1) (PROTOHEME FERRO-LYASE) (HEME SYNTHETASE)

(FRAGMENT)//0.91:36:50//YERSINIA PSEUDOTUBERCULOSIS//Q05338  
 F-PLACE4000401//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/4.4e-29:96:67//HOMO SAPIENS (HUMAN)//  
 P39194  
 F-PLACE4000411//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/2.3e-18:41:73//HOMO SAPIENS (HUMAN)//  
 5 P39188  
 F-PLACE4000431//PRE-MRNA SPLICING HELICASE BRR2 (EC 3.6.1.-)//5.4e-21:237:33//SACCHAROMYCES  
 CEREVISIAE (BAKER'S YEAST)//P32639  
 F-PLACE4000445//HYPOTHETICAL 99.7 KD PROTEIN IN SDL1 5'REGION PRECURSOR//0.00081:210:26//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40442  
 10 F-PLACE4000450//TRANSCRIPTION FACTOR HBP-1A (HISTONE-SPECIFIC TRANSCRIPTION FACTOR  
 HBP1)//0.020:87:33//TRITICUM AESTIVUM (WHEAT)//P23922  
 F-PLACE4000465//METALLOTHIONEIN-IL (MT-1L) (MT1X)//0.20:18:38//HOMO SAPIENS (HUMAN)//P80297  
 F-PLACE4000487//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/1.5e-19:73:52//HOMO SAPIENS (HUMAN)//  
 P39188  
 15 F-PLACE4000489  
 F-PLACE4000494//NPC DERIVED PROLINE RICH PROTEIN 1 (NDPP-1)//0.17:130:30//MUS MUSCULUS  
 (MOUSE)//Q03173  
 F-PLACE4000521//RETROVIRUS-RELATED POL POLYPROTEIN [CONTAINS REVERSE TRANSCRIPTASE  
 (EC 2.7.7.49); ENDONUCLEASE] (FRAGMENT)//3.0e-05:50:36//MUS MUSCULUS (MOUSE)//P10400  
 20 F-PLACE4000522//NEUROGENIC LOCUS NOTCH HOMOLOG PROTEIN 1 PRECURSOR//1.8e-45:231:47//  
 RATTUS NORVEGICUS (RAT)//Q07008  
 F-PLACE4000548//CYTOCHROME C-551 (C551)//0.96:50:34//ECTOTHIORHODOSPIRA HALOPHILA//  
 P00122  
 F-PLACE4000558//PROBABLE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE FAF (EC 3.1.2.15) (UBIQUI-  
 25 TIN THIOLESTERASE FAF) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE FAF) (DEUBIQUITINATING EN-  
 ZYME FAF) (FAT FACETS PROTEIN)//1.6e-28:223:36//DROSOPHILA MELANOGASTER (FRUIT FLY)//P55824  
 F-PLACE000581//P-SELECTIN PRECURSOR (GRANULE MEMBRANE PROTEIN 140) (GMP-140) (PADGEM)  
 (CD62P) (LEUKOCYTE-ENDOTHELIAL CELL ADHESION MOLECULE 3) (LECAM3)//9.7e-11:166:281//HOMO  
 SAPIENS (HUMAN)//P16109  
 30 F-PLACE4000590//POL POLYPROTEIN [CONTAINS: PROTEASE (EC 3.4.23.-); REVERSE TRANSCRIPTASE  
 (EC 2.7.7.49); ENDONUCLEASE]//1.6e-17:134:35//GIBBON APE LEUKEMIA VIRUS//P21414  
 F-PLACE4000593//GONADOTROPIN-RELEASING HORMONE RECEPTOR (GNRH-R)//1.0:54:29//RATTUS  
 NORVEGICUS (RAT)//P30969  
 F-PLACE4000612//GAG POLYPROTEIN [CONTAINS: CORE PROTEIN P15; INNER COAT PROTEIN P12;  
 35 CORE SHELL PROTEIN P30]//2.6e-14:221:32//MOLONEY MURINE SARCOMA VIRUS (STRAIN TS110)//  
 P32594  
 F-PLACE4000638//HYPOTHETICAL 9.3 KD PROTEIN IN NRDB-INAA INTERGENIC REGION//0.65:37:40//ES-  
 CHERICHIA COLI//P37910  
 F-PLACE4000650//ZINC FINGER PROTEIN 16 (ZINC FINGER PROTEIN KOX9) (FRAGMENT)//1.0:33:33//HO-  
 40 MO SAPIENS (HUMAN)//P17020  
 F-PLACE4000654  
 F-PLACE4000670//HYPOTHETICAL 44.1 KD PROTEIN IN RPB5-CDC28 INTERGENIC REGION//1.6e-07:161:  
 25//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P33313  
 F-SKNMC1000011//PUTATIVE IMPORTIN BETA-4 SUBUNIT (KARYOPHERIN BETA-4 SUBUNIT)//7.4e-15:223:  
 45 31//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//O60100  
 F-SKNMC1000013//TRANSCRIPTION FACTOR BF-2 (BRAIN FACTOR 2) (BF2) (CBF-2) (T-14-6)//0.0013:128:  
 35//GALLUS GALLUS (CHICKEN)//Q98937  
 F-SKNMC1000046//CUTICLE COLLAGEN 1//0.0010:154:33//CAENORHABDITIS ELEGANS//P08124  
 F-SKNMC1000050//CALPAIN 2, LARGE [CATALYTIC] SUBUNIT (EC 3.4.22.17) (CALCIUM-ACTIVATED NEU-  
 50 TRAL PROTEINASE) (CANP) (M-TYPE)//3.2e-41:87:98//HOMO SAPIENS (HUMAN)//P17655  
 F-SKNMC1000091//NTAK PROTEIN (NEURAL- AND THYMUS- DERIVED ACTIVATOR FOR ERBB KINASES)//  
 0.0032:154:35//HOMO SAPIENS (HUMAN)//O14511  
 F-THYRO1000017//PUTATIVE PYRIDOXAMINE 5'-PHOSPHATE OXIDASE (EC 1.4.3.5) (PNP/PMP OXI-  
 DASE)//1.6e-23:124:37//CAENORHABDITIS ELEGANS//Q20939  
 55 F-THYRO1000026//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/3.0e-13:54:66//HOMO SAPIENS (HUMAN)//  
 P39192  
 F-THYRO1000034//HYPOTHETICAL 10.4 KD PROTEIN//0.16:44:34//HEPATITIS B VIRUS (SUBTYPE AYW)//  
 P03163

F-THYRO1000035//CAMPATH-1 ANTIGEN PRECURSOR (CD52 ANTIGEN) (CDW52) (CAMBRIDGE PATHOL-  
 OGY 1 ANTIGEN)//0.83:59:37//MACACA FASCICULARIS (CRAB EATING MACAQUE) (CYNOMOLGUS MON-  
 KEY)//P32763  
 5 F-THYRO1000040//60S RIBOSOMAL PROTEIN L37 (FRAGMENT)//0.25:23:39//BOS TAURUS (BOVINE)//  
 P79244  
 F-THYRO1000070//HYPOTHETICAL 29.3 KD PROTEIN (ORF92)//2.3e-11:133:36//ORGYIA PSEUDOTSUGA-  
 TA MULTICAPSID POLYHEDROSIS VIRUS (OPMNPV)//O10341  
 F-THYRO1000072//C-PROTEIN, SKELETAL MUSCLE SLOW-ISOFORM//1.5e-14:205:29//HOMO SAPIENS  
 (HUMAN)//Q00872  
 10 F-THYRO1000085  
 F-THYRO1000092//SPERM MITOCHONDRIAL CAPSULE SELENOPROTEIN (MCS)//0.063:59:33//HOMO SA-  
 PIENS (HUMAN)//P49901  
 F-THYRO1000107  
 F-THYRO1000111//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG//5.0e-58:110:67//NYCTICEBUS COU-  
 CANG (SLOW LORIS)//P08548  
 15 F-THYRO1000121//SPLICEOSOME ASSOCIATED PROTEIN 62 (SAP 62) (SF3A66)//2.6e-06:134:35//MUS  
 MUSCULUS (MOUSE)//Q62203  
 F-THYRO1000124//TENECIN 3 PRECURSOR//0.047:76:35//TENEbrio MOLITOR (YELLOW MEALWORM)//  
 Q27270  
 20 F-THYRO1000129//FBROSIN (FRAGMENT)//0.35:43:34//MUS MUSCULUS (MOUSE)//Q60791  
 F-THYRO1000132//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!//8.7e-14:104:42//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-THYRO1000156  
 F-THYRO1000163//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!//3.7e-20:71:71//HOMO SAPIENS (HUMAN)//  
 25 P39189  
 F-THYRO1000173//CLATHRIN COAT ASSEMBLY PROTEIN AP47 (CLATHRIN COAT ASSOCIATED PROTEIN  
 AP47) (GOLGI ADAPTOR AP-1 47 KD PROTEIN) (HA1 47 KD SUBUNIT) (CLATHRIN ASSEMBLY PROTEIN  
 ASSEMBLY PROTEIN COMPLEX 1 MEDIUM CHAIN)//6.7e-88:216:76//MUS MUSCULUS (MOUSE)//P35585  
 F-THYRO1000186//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!//2.9e-24:72:77//HOMO SAPIENS (HUMAN)//  
 30 P39192  
 F-THYRO1000187  
 F-THYRO1000190//PROTEIN TRANSPORT PROTEIN SEC61 BETA 2 SUBUNIT//0.060:50:42//SACCHARO-  
 MYCES CEREVISIAE (BAKER'S YEAST)//P52871  
 F-THYRO1000197  
 35 F-THYRO1000199//HYPOTHETICAL 49.8 KD PROTEIN D2007.5 IN CHROMOSOME III//2.0e-06:88:35//  
 CAENORHABDITIS ELEGANS//34379  
 F-THYRO1000206  
 F-THYRO1000221  
 F-THYRO1000241//HYPOTHETICAL 11.8 KD PROTEIN IN HE65-PK2 INTERGENIC REGION//1.0:51:35//  
 40 AUTOGRAPHIA CALIFORNICA NUCLEAR POLYHEDROSIS VIRUS (ACMNPV)//P41661  
 F-THYRO1000242//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2)//7.4e-37:137:36//HOMO SA-  
 PIENS (HUMAN)//P51523  
 F-THYRO1000253//DNA-BINDING P52/P100 COMPLEX, 100 KD SUBUNIT (FRAGMENTS)//0.11:21:52//HO-  
 MO SAPIENS (HUMAN)//P30808  
 45 F-THYRO1000270//WDNM1 PROTEIN PRECURSOR//0.40:52:32//MUS MUSCULUS (MOUSE)//Q62477  
 F-THYRO1000279//BETA CRYSTALLIN A4//0.97:64:26//BOS TAURUS (BOVINE)//P11842  
 F-THYRO1000288//POTENTIAL CAAX PRENYL PROTEASE 1 (EC 3.4.24.-) (PRENYL PROTEIN- SPECIFIC  
 ENDOPROTEASE 1) (PPSEP 1)//3.4e-48:142:42//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//  
 Q10071  
 50 F-THYRO1000320//ZINC FINGER PROTEIN 14 (ZFP-14) (KROX-9 PROTEIN) (FRAGMENT)//0.87:35:45//MUS  
 MUSCULUS (MOUSE)//P10755  
 F-THYRO1000327//HYPOTHETICAL 64.7 KD PROTEIN F26E4.11 IN CHROMOSOME I//0.00010:75:26//  
 CAENORHABDITIS ELEGANS//P90859  
 F-THYRO1000343//CHROMOGRANIN A PRECURSOR (CGA) [CONTAINS: PANCREASTATIN; BETA-GRANIN;  
 55 WE-14]//0.88:107:26//MUS MUSCULUS (MOUSE)//P26339  
 F-THYRO1000358//SELENIUM-BINDING LIVER PROTEIN//4.6e-25:49:81//MUS MUSCULUS (MOUSE)//  
 P17563  
 F-THYRO1000368//LOCOMOTION-RELATED PROTEIN HIKARU GENKI PRECURSOR//1.0:136:26//DRO-

SOPHILA MELANOASTER (FRUIT FLY)//Q09101  
 F-THYRO1000381//GAG POLYPROTEIN [CONTAINS: CORE PROTEIN P15; INNER COAT PROTEIN P12;  
 CORE SHELL PROTEIN P30; NUCLEOPROTEIN P10]//0.032:99:35//SIMIAN SARCOMA VIRUS//P03330  
 F-THYRO1000387//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//0.90:46:30//HALICHOERUS GRYPUS  
 5 (GRAY SEAL)//P38592  
 F-THYRO1000394//SMALL PROLINE RICH PROTEIN II (SPR-II) (CLONE 930)//0.00019:48:37//HOMO SAPI-  
 ENS (HUMAN)//P22531  
 F-THYRO1000395//RING CANAL PROTEIN (KELCH PROTEIN)//1.2e-33:186:38//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY)//Q04652  
 10 F-THYRO1000401//50S RIBOSOMAL PROTEIN L7/L12 (FRAGMENT)//0.57:67:31//STAPHYLOCOCCUS AU-  
 REUS//P48860  
 F-THYRO1000438//ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L)//1.0:42:38//STRONGYLOCENTROTUS  
 PURPURATUS (PURPLE SEA URCHIN)//P15997  
 F-THYRO1000452//BACTERIOCIN CARNOBACTERIOCIN A PRECURSOR (PISCICOLIN 61)//0.31:34:44//  
 15 CARNOBACTERIUM PISCICOLA//P38578  
 F-THYRO1000471//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/2.1e-31:94:72//HOMO SAPIENS (HUMAN)//  
 P39194  
 F-THYRO1000484//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/5.9e-08:30:86//HOMO SAPIENS (HUMAN)//  
 P39195  
 20 F-THYRO1000488//EARLY NODULIN 55-2 PRECURSOR (N-55-2) (NODULIN-315)//0.93:98:27//GLYCINE MAX  
 (SOYBEAN)//Q02917  
 F-THYRO1000501//DOWN REGULATORY PROTEIN OF INTERLEUKIN 2 RECEPTOR//2.4e-51:198:50//MUS  
 MUSCULUS (MOUSE)//P15533  
 F-THYRO1000502//HUNCHBACK PROTEIN (FRAGMENT)//0.84:41:43//APIS MELLIFERA (HONEYBEE)//  
 25 P31504  
 F-THYRO1000505//HYPOTHETICAL BHLF1 PROTEIN//0.99:231:33//EPSTEIN-BARR VIRUS (STRAIN B95-8)  
 (HUMAN HERPESVIRUS 4)//P03181  
 F-THYRO1000558//ANTITHROMBIN-III PRECURSOR (ATIII) (FRAGMENT)//0.47:58:37//GALLUS GALLUS  
 (CHICKEN)//Q03352  
 30 F-THYRO1000569//COLLAGEN ALPHA 1(I) CHAIN (FRAGMENTS)//0.00048:64:42//RATTUS NORVEGICUS  
 (RAT)//P02454  
 F-THYRO1000570//HYPOTHETICAL 11.6 KD PROTEIN IN ACS1-GCV3 INTERGENIC REGION//0.94:61:32//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P39725  
 F-THYRO1000585//SPLICING FACTOR, ARGININE/SERINE-RICH 6 (PRE-MRNA SPLICING FACTOR  
 SRP55)//0.050:104:36//HOMO SAPIENS (HUMAN)//Q13247  
 35 F-THYRO1000596//INFECTED CELL PROTEIN ICP34.5 (NEUROVIRULENCE FACTOR ICP34.5)//0.99:37:40//  
 HERPES SIMPLEX VIRUS (TYPE 1 / STRAIN MGH-10)//P37319  
 F-THYRO1000602//EAMZP30-47 PROTEIN (FRAGMENT)//0.88:61:34//EIMERIA ACERVULINA//P21959  
 F-THYRO1000605//SUPPRESSOR PROTEIN SRP40//0.0016:116:26//SACCHAROMYCES CEREVISIAE  
 (BAKER'S YEAST)//P32583  
 40 F-THYRO1000625//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/3.4e-33:88:78//HOMO SAPIENS (HUMAN)//  
 P39194  
 F-THYRO1000637//METALLOTHIONEIN A (MT A)//1.0:23:43//SPARUS AURATA (GILTHEAD SEA BREAM)//  
 P52727  
 45 F-THYRO1000641//PHOTOSYSTEM II 10 KD PHOSPHOPROTEIN//0.99:26:46//CYANIDIUM CALDARIUM  
 (GALDIERIA SULPHURARIA)//O19925  
 F-THYRO1000658//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/1.5e-49:116:69//HOMO SAPIENS (HU-  
 MAN)//P39189  
 F-THYRO1000662//DNA-DAMAGE-INDUCIBLE PROTEIN P//3.7e-15:119:43//ESCHERICHIA COLI//Q47155  
 50 F-THYRO1000666//KINESIN-LIKE PROTEIN KLP1//1.0e-44:232:41//CHLAMYDOMONAS REINHARDTII//  
 P46870  
 F-THYRO1000676//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/2.1e-15:144:39//HOMO SAPIENS (HU-  
 MAN)//P39193  
 F-THYRO1000684//HYPOTHETICAL 73.5 KD PROTEIN IN SCS3-RPS2 INTERGENIC REGION//0.00033:84:  
 30//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53129  
 55 F-THYRO1000699//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/0.97:20:85//HOMO SAPIENS (HUMAN)//  
 P39192  
 F-THYRO1000712//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/4.2e-10:69:59//HOMO SAPIENS (HUMAN)//

P39188  
 F-THYRO1000715//SALIVARY PROLINE-RICH PROTEIN PRECURSOR (CLONES CP3, CP4 AND CP5) [CONTAINS: BASIC PEPTIDE IB-6; PEPTIDE P-H]//4.6e-10:204:32//HOMO SAPIENS (HUMAN)//P04280  
 F-THYRO1000734  
 5 F-THYRO1000748//HYPOTHETICAL PROTEIN KIAA0411 (FRAGMENT)//1.8e-46:130:70//HOMO SAPIENS (HUMAN)//O43295  
 F-THYRO1000756//ALPHA-N-ACETYL GALACTOSAMINIDE ALPHA-2,6-SIALYLTRANSFERASE (EC 2.4.99.-) (ST6GALNACIII) (STY)//1.1e-06:95:31//RATTUS NORVEGICUS (RAT)//Q64686  
 F-THYRO1000777//CUTICLE COLLAGEN 2C (FRAGMENT)//0.0031:119:34//HAEMONCHUS CONTORTUS//  
 10 P16252  
 F-THYRO1000783//MYOSIN IC HEAVY CHAIN//0.0014:121:37//ACANTHAMOEBA CASTELLANII (AMOEBA)//P10569  
 F-THYRO1000787//HUNCHBACK PROTEIN (FRAGMENT)//0.54:25:52//PHOLCUS PHALANGIODES//Q02031  
 15 F-THYRO1000793//PRE-MRNA SPLICING FACTOR PRP9//0.91:3 0:36//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P19736  
 F-THYRO1000796  
 F-THYRO1000805//HYPOTHETICAL 7.3 KD PROTEIN IN 100 KD PROTEIN REGION//0.081:31:38//HUMAN ADENOVIRUS TYPE 41//P23691  
 20 F-THYRO1000815//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/6.0e-30:81:70//HOMO SAPIENS (HUMAN)//P39195  
 F-THYRO1000829//NEUROTOXIN III (BOM III)//0.022:32:34//BUTHUS OCCITANUS MARDOCHEI (MOROCCAN SCORPION)//P13488  
 F-THYRO1000843//HYPOTHETICAL 7.7 KD PROTEIN IN GENES 5-4 INTERGENIC REGION (ORF 109)//0.98:25:44//BACTERIOPHAGE P22//P26750  
 25 F-THYRO1000852//SULFATED SURFACE GLYCOPROTEIN 185 (SSG 185)//7.3e-09:83:42//VOLVOX CARTERI//P21997  
 F-THYRO1000855//ANTIFREEZE PEPTIDE 4 PRECURSOR//1.0:54:35//PSEUDOPLEURONECTA AMERICANUS (WINTER FLOUNDER)//P02734  
 30 F-THYRO1000865//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/5.2e-17:66:57//HOMO SAPIENS (HUMAN)//P39188  
 F-THYRO1000895//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/1.0e-12:58:62//HOMO SAPIENS (HUMAN)//P39189  
 F-THYRO1000916//!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!!/2.0e-32:101:69//HOMO SAPIENS (HUMAN)//P39189  
 35 F-THYRO1000926//NITROGEN FIXATION REGULATORY PROTEIN//5.5e-05:108:27//KLEBSIELLA OXYTOCA//P56267  
 F-THYRO1000934//PYRROLINE-5-CARBOXYLATE REDUCTASE (EC 1.5.1.2) (P5CR) (P5C REDUCTASE)//3.9e-50:147:40//HOMO SAPIENS (HUMAN)//P32322  
 40 F-THYRO1000951//DIHYDROXYACETONE KINASE (EC 2.7.1.29) (GLYCERONE KINASE)//1.8e-31:136:56//CITROBACTER FREUNDII//P45510  
 F-THYRO1000952//HYPOTHETICAL 182.0 KD PROTEIN IN NMD5-HOM6 INTERGENIC REGION//2.4e-05:91:34//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P47170  
 F-THYRO1000974//MITOCHONDRIAL ATP-DEPENDENT RNA HELICASE SUV3 PRECURSOR//1.0:35:40//  
 45 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P32580  
 F-THYRO1000975  
 F-THYRO1000983//HYPOTHETICAL 48.1 KD PROTEIN B0403.2 IN CHROMOSOME X//1.3e-20:96:51//CAENORHABDITIS ELEGANS//Q11076  
 F-THYRO1000984//GTP-BINDING ADP-RIBOSYLATION FACTOR HOMOLOG 1 PROTEIN//0.011:76:34//DROSOPHILA MELANOGASTER (FRUIT FLY)//P25160  
 50 F-THYRO1000988  
 F-THYRO1001003//HYPOTHETICAL 8.1 KD PROTEIN IN MSCL-RPLQ INTERGENIC REGION//0.97:60:31//ESCHERICHIA COLI//P36675  
 F-THYRO1001031//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/9.5e-18:56:66//HOMO SAPIENS (HUMAN)//  
 55 P39195  
 F-THYRO1001033//TRANSFORMATION-SENSITIVE PROTEIN IEF SSP 3521//5.0e-13:126:35//HOMO SAPIENS (HUMAN)//P31948  
 F-THYRO1001062//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/1.1e-35:97:79//HOMO SAPIENS (HUMAN)//

P39194  
 F-THYRO1001093//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/6.4e-13:70:57//HOMO SAPIENS (HUMAN)//  
 P39194  
 F-THYRO1001100//ZINC FINGER X-LINKED PROTEIN ZXDA (FRAGMENT)//4.2e-63:219:63//HOMO SAPIENS  
 5 (HUMAN)//P98168  
 F-THYRO1001120//SPLICEOSOME ASSOCIATED PROTEIN 49 (SAP 49) (SF3B53)//0.00068:160:31//HOMO  
 SAPIENS (HUMAN)//Q15427  
 F-THYRO1001121//VERY HYPOTHETICAL 20.6 KD PROTEIN C56F8.15 IN CHROMOSOME I//0.37:158:28//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q10263  
 10 F-THYRO1001133//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/7.3e-15:59:66//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-THYRO1001134//SALIVARY PROLINE-RICH PROTEIN PO (ALLELE M) [CONTAINS: PEPTIDE P-D] (FRAG-  
 MENT)//0.00088:159:29//HOMO SAPIENS (HUMAN)//P10161  
 F-THYRO1001142//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/3.0e-29:81:71//HOMO SAPIENS (HUMAN)//  
 15 P39194  
 F-THYRO1001173//CYTOCHROME C OXIDASE POLYPEPTIDE VIIS (EC 1.9.3.1)//0.88:51:35//DICTYOSTEL-  
 IUM DISCOIDEUM (SLIME MOLD)//P20610  
 F-THYRO1001177//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/3.0e-24:91:68//HOMO SAPIENS (HUMAN)//  
 P39192  
 20 F-THYRO1001189//MKR2 PROTEIN (ZINC FINGER PROTEIN 2)//7.3e-27:165:39//MUS MUSCULUS  
 (MOUSE)//P08043  
 F-THYRO1001204//BASIC PROLINE-RICH PEPTIDE P-E (IB-9)//0.67:42:42//HOMO SAPIENS (HUMAN)//  
 P02811  
 F-THYRO1001213//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/2.9e-16:61:68//HOMO SAPIENS (HUMM)//  
 25 P39194  
 F-THYRO1001262//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/1.4e-36:50:84//HOMO SAPIENS (HUMAN)//  
 P39193  
 F-THYRO1001271//HYPOTHETICAL 35.5 KD PROTEIN IN TRANSPOSON TN4556//0.62: 126:30//STREPTO-  
 MYCES FRADIAE//P20186  
 30 F-THYRO1001287//HYPOTHETICAL 91.2 KD PROTEIN IN RPS4B-SCH9 INTERGENIC REGION//1.9e-26:208:  
 37//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38888  
 F-THYRO1001290//GIANT HEMOGLOBIN AIV CHAIN (FRAGMENT)//1.0:31:38//LAMELLIBRACHIA SP.  
 (DEEP-SEA GIANT TUBE WORM)//P20413  
 F-THYRO1001313//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS5//0.00042:105:31//SAC-  
 35 CHAROMYCES CEREVISIAE (BAKER'S YEAST)//Q92331  
 F-THYRO1001320//COLLAGEN ALPHA 1(III) CHAIN//0.27:57:38//BOS TAURUS (BOVINE)//P04258  
 F-THYRO1001321//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/5.5e-20:74:64//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-THYRO1001322//HYPOTHETICAL 7.2 KD PROTEIN//0.66:49:30//VACCINIA VIRUS (STRAIN COPENHA-  
 40 GEN)//P21123  
 F-THYRO1001347//TOXIN F-VIII PRECURSOR (TOXIN TA2) (TOXIN DAF8)//0.94:61:36//DENDROASPIS AN-  
 GUSTICEPS (EASTERN GREEN MAMBA)//P01404  
 F-THYRO1001363//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/0.0025:23:73//HOMO SAPIENS (HUMAN)//  
 P39188  
 45 F-THYRO1001365//MERSACIDIN PRECURSOR//0.35:38:42//BACILLUS SP. (STRAIN HIL-Y85/54728)//  
 P43683  
 F-THYRO1001374//PROTEIN VDLD//1.6e- 3:140:31//HELICOBACTER PYLORI (CAMPYLOBACTER PY-  
 LORI)//O05729  
 F-THYRO1001401//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/0.047:43:48//HOMO SAPIENS (HUMAN)//  
 50 P39192  
 F-THYRO1001403  
 F-THYRO1001405//SMALL PROLINE RICH PROTEIN II (SPR-II) (CLONE 930)//0.0068:26:42//HOMO SAPIENS  
 (HUMAN)//P22531  
 F-THYRO1001406//PUTATIVE STEROID DEHYDROGENASE KIK-I (EC 1.1.1.-)//3.1e-81:97:83//MUS MUSCU-  
 55 LUS (MOUSE)//O70503  
 F-THYRO1001411//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/1.9e-26:89:74//HOMO SAPIENS (HUMAN)//  
 P39193  
 F-THYRO1001426//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!!/1.4e-09:55:61//HOMO SAPIENS (HUMAN)//

P39193  
 F-THYRO1001434//BETA-DEFENSIN 4 PRECURSOR (BNDB-4)//0.68:44:34//BOS TAURUS (BOVINE)//  
 P46162  
 F-THYRO1001458//MYOSIN HEAVY CHAIN, NONMUSCLE TYPE B (CELLULAR MYOSIN HEAVY CHAIN, TYPE  
 5 B) (NMMHC-B)//3.8e-64:216:62//HOMO SAPIENS (HUMAN)//P35580  
 F-THYRO1001480//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/9.3e-29:88:75//HOMO SAPIENS (HUMAN)//  
 P39194  
 F-THYRO1001487//HOMEBOX PROTEIN HOX-B4 (HOX-2.6)//0.99:59:37//MUS MUSCULUS (MOUSE)//  
 P10284  
 10 F-THYRO1001534//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/1.4e-14:40:82//HOMO SAPIENS (HUMAN)//  
 P39194  
 F-THYRO1001537//HYPOTHETICAL 33.8 KD PROTEIN IN TWT1-FLO5 INTERGENIC REGION//2.4e-07:142:  
 32//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38892  
 F-THYRO1001541//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/0.98:26:61//HOMO SAPIENS (HUMAN)//  
 15 P39195  
 F-THYRO1001559//PROTEIN Q300//2.6e-05:20:75//MUS MUSCULUS (MOUSE)//Q02722  
 F-THYRO1001570  
 F-THYRO1001573//SPERM MITOCHONDRIAL CAPSULE SELENOPROTEIN (MCS)//0.033:71:36//MUS MUS-  
 CULUS (MOUSE)//P15265  
 20 F-THYRO1001584//SUPPRESSOR PROTEIN SRP40//2.1e-05:188:27//SACCHAROMYCES CEREVISIAE  
 (BAKER'S YEAST)//P32583  
 F-THYRO1001595//RAS SUPPRESSOR PROTEIN 1 (RSU-1) (RSP-1 PROTEIN) (RSP-1)//6.1e-21:35:91//HO-  
 MO SAPIENS (HUMAN)//Q15404  
 F-THYRO1001602//TRK SYSTEM POTASSIUM UPTAKE PROTEIN TRKH//1.0:57:42//HAEMOPHILUS INFLU-  
 25 ENZAE//P44843  
 F-THYRO1001605//VENOM BASIC PROTEASE INHIBITORS IX AND VIIIB//1.0:34:38//BUNGARUS FASCIA-  
 TUS (BANDED KRAIT)//P25660  
 F-THYRO1001617//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/7.0e-18:55:81//HOMO SAPIENS (HUMAN)//  
 P39194  
 30 F-THYRO1001637//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/0.00020:25:80//HOMO SAPIENS (HU-  
 MAN)//P39195  
 F-THYRO1001656//PROLINE-RICH PROTEIN MP-2 PRECURSOR//0.0091:54:42//MUS MUSCULUS  
 (MOUSE)//P05142  
 F-THYRO1001661//HYPOTHETICAL 21.1 KD PROTEIN IN SSR-SERA INTERGENIC REGION (O182)//0.033:  
 35 77:35//ESCHERICHIA COLI//P09160  
 F-THYRO1001671//((2'-5')OLIGOADENYLATE SYNTHETASE 1 (EC 2.7.7.-) ((2'-5')OLIGO(A) SYNTHETASE 1)  
 (2-5A SYNTHETASE 1) (P46/P41) (E18/E16)//4.3e-34:207:34//HOMO SAPIENS (HUMAN)//P00973  
 F-THYRO1001673//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/3.9e-08:49:65//HOMO SAPIENS (HUMAN)//  
 P39194  
 40 F-THYRO1001703//HYPOTHETICAL 69.8 KD PROTEIN IN BDF1-SFP1 INTERGENIC REGION//6.4e-16:134:  
 35//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//Q06053  
 F-THYRO1001706  
 F-THYRO1001721//RING CANAL PROTEIN (KELCH PROTEIN)//2.7e-27:191:36//DROSOPHILA MELA-  
 NOGASTER (FRUIT FLY)//Q04652  
 45 F-THYRO1001738//MATING PROCESS PROTEIN MID2 (SERINE-RICH PROTEIN SMS1) (PROTEIN KINASE  
 A INTERFERENCE PROTEIN)//0.0032:105:32//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P36027  
 F-THYRO1001745  
 F-THYRO1001746//GENE 10 PROTEIN//1.0:55:30//SPIROPLASMA VIRUS SPV1-R8A2 B//P15901  
 F-THYRO1001772//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/1.2e-05:41:63//HOMO SAPIENS (HUMAN)//  
 50 P39188  
 F-THYRO1001793//HYPOTHETICAL 21.6 KD PROTEIN F37A4.2 IN CHROMOSOME III//1.5e-26:161:42//  
 CAENORHABDITIS ELEGANS//P41880  
 F-THYRO1001809//LATENCY-RELATED PROTEIN 2//0.49:74:27//HERPES SIMPLEX VIRUS (TYPE 1 /  
 STRAIN F)//P17589  
 55 F-THYRO1001828//PROTEINASE INHIBITOR//0.11:34:50//SOLANUM MELONGENA (EGGPLANT) (AUBER-  
 GINE)//P01078  
 F-THYRO1001854//ACYL-COA-BINDING PROTEIN HOMOLOG (ACBP) (DIAZEPAM BINDING INHIBITOR HO-  
 MOLOG) (DBI)//0.63:50:38//RANA RIDIBUNDA (LAUGHING FROG) (MARSH FROG)//P45883

F-THYRO1001895//!!!! ALU SUBFAMILY J WARNING ENTRY !!!!!/6.1e-09:72:47//HOMO SAPIENS (HUMAN)//  
 P39188  
 F-THYRO1001907//TRYPOMASTIGOTE DECAY-ACCELERATING FACTOR (T-DAF) (FRAGMENT)//0.79:36:  
 44//TRYPANOSOMA CRUZI//Q26327  
 5 F-VESEN1000122//HOMEBOX PROTEIN HB9//0.57:64:32//HOMO SAPIENS (HUMAN)//P50219  
 F-Y79AA1000013//METALLOTHIONEIN B (MT-B)//0.034:35:48//SALMO SALAR (ATLANTIC SALMON)//  
 P52720  
 F-Y79AA1000033//CHOLECYSTOKININ//0.97:49:30//PSEUDEMYS SCRIPTA (SLIDER TURTLE)//P80345  
 F-Y79AA1000037//DNA-BINDING PROTEIN BMI-1//1.4e-23:80:60//HOMO SAPIENS (HUMAN)//P35226  
 10 F-Y79AA1000059//HYPOTHETICAL 35.5 KD PROTEIN IN TRANSPOSON TN4556//0.0075:127:36//STREPTO-  
 MYCES FRADIAE//P20186  
 F-Y79AA1000065//SALIVARY PROLINE-RICH PROTEIN PO (ALLELE K) [CONTAINS: PEPTIDE P-D] (FRAG-  
 MENT)//0.022:135:29//HOMO SAPIENS (HUMAN)//P10162  
 F-Y79AA1000131//REGULATORY PROTEIN E2//1.1e-05:175:26//HUMAN PAPILLOMAVIRUS TYPE 24//  
 15 P50770  
 F-Y79AA1000181//PROLINE-RICH PROTEIN MP-3 (FRAGMENT)//1.4e-06:187:29//MUS MUSCULUS  
 (MOUSE)//P05143  
 F-Y79AA1000202//HYPOTHETICAL PROLINE-RICH PROTEIN (FRAGMENT)//6.2e-09:47:53//OWENIA FUSI-  
 FORMIS//P21260  
 20 F-Y79AA1000214//HISTONE H2A VARIANT//1.7e-50:107:100//GALLUS GALLUS (CHICKEN)//P02272  
 F-Y79AA1000230//GONADOLIBERIN I PRECURSOR (LHRH I) (LUTEINIZING HORMONE RELEASING HOR-  
 MONE I) (GONADOTROPIN RELEASING HORMONE I) (GNRH I) (LULIBERIN I)//0.27:64:34//HOMO SAPIENS  
 (HUMAN)//P01148  
 F-Y79AA1000231//HYPOTHETICAL 47.9 KD PROTEIN M021B04.12//2.5e-72:277:53//ARABIDOPSIS THAL-  
 25 IANA (MOUSE-EAR CRESS)//O04658  
 F-Y79AA1000258//PROLINE-RICH PROTEIN MP-2 PRECURSOR//2.8e-08:174:35//MUS MUSCULUS  
 (MOUSE)//P05142  
 F-Y79AA1000268//COLLAGEN ALPHA 1(III) CHAIN (FRAGMENT)//0.00020:176:33//RATTUS NORVEGICUS  
 (RAT)//P13941  
 30 F-Y79AA1000313//HYPOTHETICAL 54.0 KD PROTEIN C32A3.1 IN CHROMOSOME III//0.092:127:21//  
 CAENORHABDITIS ELEGANS//Q09260  
 F-Y79AA1000328//SEL-10 PROTEIN//5.3e-05:129:28//CAENORHABDITIS ELEGANS//Q93794  
 F-Y79AA1000342//KERATIN, ULTRA HIGH-SULFUR MATRIX PROTEIN (UHS KERATIN)//1.0:73:30//OVIS AR-  
 35 IES (SHEEP)//P26372  
 F-Y79AA1000346//COATOMER GAMMA SUBUNIT (GAMMA-COAT PROTEIN) (GAMMA-COP)//1.8e-95:205:  
 83//BOS TAURUS (BOVINE)//P53620  
 F-Y79AA1000349//ANTIFREEZE PEPTIDE 4 PRECURSOR//0.036:37:54//PSEUDOPLEURONECTA AMERI-  
 CANUS (WINTER FLOUNDER)//P02734  
 F-Y79AA1000355//HYPOTHETICAL 18.2 KD PROTEIN ZK632.13 IN CHROMOSOME III//0.0031:106:28//  
 40 CAENORHABDITIS ELEGANS//Q10120  
 F-Y79AA1000368//REDUCED VIABILITY UPON STARVATION PROTEIN 161//1.4e-16:208:28//SACCHARO-  
 MYCES CEREVISIAE (BAKER'S YEAST)//P25343  
 F-Y79AA1000405//LIGHT-HARVESTING PROTEIN B-800-850, ALPHA CHAIN C (ANTENNA PIGMENT PRO-  
 TEIN, ALPHA CHAIN C) (LH II-C ALPHA)//0.98:50:30//RHODOPSEUDOMONAS PALUSTRIS//P35103  
 45 F-Y79AA1000410//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!/7.9e-20:62:79//HOMO SAPIENS (HUMAN)//  
 P39194  
 F-Y79AA1000420//HYPOTHETICAL 27.7 KD PROTEIN IN UME3-HDA1 INTERGENIC REGION//1.4e-06:86:38//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53970  
 F-Y79AA1000469//HYPOTHETICAL 48.4 KD PROTEIN F44B9.5 IN CHROMOSOME III//2.8e-34:211:40//  
 50 CAENORHABDITIS ELEGANS//P34426  
 F-Y79AA1000480//HYPOTHETICAL 63.2 KD PROTEIN C1F3.09 IN CHROMOSOME I//3.9e-15:90:32//  
 SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q10414  
 F-Y79AA1000538//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/0.37:41:48//HOMO SAPIENS (HUMAN)//  
 P39195  
 55 F-Y79AA1000539//SPLICING FACTOR, ARGININE/SERINE-RICH 4 (PRE-MRNA SPLICING FACTOR SRP75)//  
 1.8e-21:190:37//HOMO SAPIENS (HUMAN)//Q08170  
 F-Y79AA1000540//SPERM PROTAMINE P1//0.00045:66:45//DASYURUS VIVERRINUS (SOUTHEASTERN  
 QUOLL), AND DASYURUS HALLUCATUS//P42135



F-Y79AA1000560//ALPHA-ADAPTIN C (CLATHRIN ASSEMBLY PROTEIN COMPLEX 2 ALPHA-C LARGE CHAIN) (100 KD COATED VESICLE PROTEIN C) (PLASMA MEMBRANE ADAPTOR HA2/AP2 ADAPTIN ALPHA C SUBUNIT)//1.6e-79:186:87//MUS MUSCULUS (MOUSE)//P17427  
 F-Y79AA1000574//AKLAVINONE C-11 HYDROXYLASE (EC 1.-.-.-) (FRAGMENT)//0.010:35:60//STREPTOMY-  
 5 CES PEUCETIUS//P32009  
 F-Y79AA1000589//32.3 KD PROTEIN IN CWP1-MBR1 INTERGENIC REGION//4.5e-27:197:36//SACCHARO-  
 MYCES CEREVISIAE (BAKER'S YEAST)//P28320  
 F-Y79AA1000627//ZINC FINGER PROTEIN 134//1.6e-34:191:35//HOMO SAPIENS (HUMAN)//P52741  
 F-Y79AA1000705//HYPOTHETICAL 128.5 KD HELICASE IN ATS1-TPD3 INTERGENIC REGION//8.7e-36:250:  
 10 40//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P31380  
 F-Y79AA1000734//PEROXISOMAL MEMBRANE PROTEIN PMP30A (PMP31) (PEROXIN-11A)//0.00037:108:  
 27//CANDIDA BOIDINII (YEAST)//Q00316  
 F-Y79AA1000748//HYPOTHETICAL 61.3 KD PROTEIN F25B5.5 IN CHROMOSOME III//1.0e-23:210:34//  
 CAENORHABDITIS ELEGANS//Q09316  
 15 F-Y79AA1000752//PUTATIVE HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN X (HNRNP X) (CBP)//  
 1.4e-53:156:68//MUS MUSCULUS (MOUSE)//Q61990  
 F-Y79AA1000774//HYPOTHETICAL 77.9 KD PROTEIN IN RRN10-MCM2 INTERGENIC REGION//1.2e-11:231:  
 26//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38205  
 F-Y79AA1000782//CUTICLE COLLAGEN 2//0.012:56:35//CAENORHABDITIS ELEGANS//P17656  
 20 F-Y79AA1000784//HISTIDINE-RICH GLYCOPROTEIN PRECURSOR//1.3e-08:82:39//PLASMODIUM LOPHU-  
 RAE//P04929  
 F-Y79AA1000794//DNA-BINDING P52/P100 COMPLEX, 100 KD SUBUNIT (FRAGMENTS)//0.043:13:53//HO-  
 MO SAPIENS (HUMAN)//P30808  
 F-Y79AA1000800//PRIA PROTEIN PRECURSOR//0.031:94:34//LENTINULA EDODES (SHIITAKE MUSH-  
 25 ROOM) (LENTINUS EDODES)//Q01200  
 F-Y79AA1000802//HYPOTHETICAL 67.4 KD PROTEIN IN RPS3-PSD1 INTERGENIC REGION//0.26:186:23//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53882  
 F-Y79AA1000805//AMP DEAMINASE (EC 3.5.4.6) (MYOADENYLATE DEAMINASE)//0.99:78:35//SCHIZOSAC-  
 CHAROMYCES POMBE (FISSION YEAST)//P50998  
 30 F-Y79AA1000824//HYPOTHETICAL 81.7 KD PROTEIN IN MOL1-NAT2 INTERGENIC REGION//3.4e-44:111:  
 49//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P48234  
 F-Y79AA1000827//HYPOTHETICAL BHLF1 PROTEIN//0.0046:187:33//EPSTEIN-BARR VIRUS (STRAIN  
 B95-8) (HUMAN HERPESVIRUS 4)//P03181  
 F-Y79AA1000833//TUBULIN ALPHA-1 CHAIN//1.0e-75:239:66//CRICETULUS GRISEUS (CHINESE HAM-  
 35 STER)//P05209  
 F-Y79AA1000850//SMALL PROLINE-RICH PROTEIN II (SPR-II) (CLONE 174N)//0.0078:57:31//HOMO SAPI-  
 ENS (HUMAN)//P22532  
 F-Y79AA1000962//MYOSIN HEAVY CHAIN, GIZZARD SMOOTH MUSCLE//8.5e-11:241:26//GALLUS GALLUS  
 (CHICKEN)//P10587  
 40 F-Y79AA1000966//ATP SYNTHASE A CHAIN (EC 3.6.1.34) (PROTEIN 6)//0.69:122:31//TRYPANOSOMA BRU-  
 CEI BRUCEI//P24499  
 F-Y79AA1000968//TRANSLATION INITIATION FACTOR EIF-2B GAMMA SUBUNIT (EIF-2B GDP-GTP EX-  
 CHANGE FACTOR)//3.3e-102:211:93//RATTUS NORVEGICUS (RAT)//P70541  
 F-Y79AA1000969//PROCOLLAGEN ALPHA 1(I) CHAIN PRECURSOR//1.0:67:38//GALLUS GALLUS (CHICK-  
 45 EN)//P02457  
 F-Y79AA1000976//INVOLUCRIN//0.99:66:31//CEBUS ALBIFRONS (WHITE-FRONTED CAPUCHIN)//P24709  
 F-Y79AA1000985//PERICENTRIN//1.1e-24:116:59//MUS MUSCULUS (MOUSE)//P48725  
 F-Y79AA1001023//HYPOTHETICAL 105.9 KD PROTEIN IN AAC3-RFC5 INTERGENIC REGION//0.37:79:27//  
 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38250  
 50 F-Y79AA1001041//SPERMATID-SPECIFIC PROTEIN T1 [CONTAINS: SPERM PROTAMINE SP1]//0.93:43:39//  
 SEPIA OFFICINALIS (COMMON CUTTLEFISH)//P80001  
 F-Y79AA1001048//ACYL-COA DEHYDROGENASE, VERY-LONG-CHAIN SPECIFIC PRECURSOR (EC  
 1.3.99.-) (VLCAD)//1.5e-51:211:52//BOS TAURUS (BOVINE)//P48818  
 F-Y79AA1001061//!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!!//3.8e-25:85:69//HOMO SAPIENS (HUMAN)//  
 55 P39194  
 F-Y79AA1001068//PROCOLLAGEN ALPHA 1(II) CHAIN PRECURSOR [CONTAINS: CHONDROCALCIN]//  
 0.0015:207:33//MUS MUSCULUS (MOUSE)//P28481  
 F-Y79AA1001077//ADULT-SPECIFIC RIGID CUTICULAR PROTEIN 11.9 (ACP 11.9)//0.99:36:41//ARANEUS DI-

ADEMATUS (SPIDER)//P80515  
 F-Y79AA1001078//HYPOTHETICAL 88.1 KD PROTEIN K02D10.1 IN CHROMOSOME III//1.0e-06:197:23//  
 CAENORHABDITIS ELEGANS //P34492  
 F-Y79AA1001105//HOMEBOX PROTEIN OTX2//2.9e-62:163:79//MUS MUSCULUS (MOUSE)//P80206  
 5 F-Y79AA1001145//!!!! ALU SUBFAMILY SX WARNING ENTRY !!!!!/0.024:42:59//HOMO SAPIENS (HUMAN)//  
 P39195  
 F-Y79AA1001167//HYPOTHETICAL 7.1 KD PROTEIN IN IAP2-VLF1 INTERGENIC REGION//0.96:20:50//  
 AUTOGRAPHAL CALIFORNICA NUCLEAR POLYHEDROSIS VIRUS (ACMPV)//P41471  
 F-Y79AA1001177//HYPOTHETICAL BHLF1 PROTEIN//3.9e-05:135:34//EPSTEIN-BARR VIRUS (STRAIN  
 10 B95-8) (HUMAN HERPESVIRUS 4)//P03181  
 F-Y79AA1001185//PUTATIVE CUTICLE COLLAGEN C09G5.5//0.00017:93:38//CAENORHABDITIS ELE-  
 GANS//Q09456  
 F-Y79AA1001211  
 F-Y79AA1001216//TENSIN//0.012:134:32//GALLUS GALLUS (CHICKEN)//Q04205  
 15 F-Y79AA1001228//MUCIN 2 PRECURSOR (INTESTINAL MUCIN 2)//0.088:75:34//HOMO SAPIENS (HUMAN)//  
 Q02817  
 F-Y79AA1001233//ESTRADIOL 17 BETA-DEHYDROGENASE 1 (EC 1.1.1.62) (17-BETA-HSD 1) (17-BETA-HY-  
 DROXYSTEROID DEHYDROGENASE 1)//1.1e-40:139:51//RATTUS NORVEGICUS (RAT)//P51657  
 F-Y79AA1001236//HYPOTHETICAL 34.7 KD PROTEIN IN ORC2-TIP1 INTERGENIC REGION//2.0e-22:108:53//  
 20 SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P38238  
 F-Y79AA1001281  
 F-Y79AA1001299//PROLINE-RICH PROTEIN MP-3 (FRAGMENT)//0.0022:49:44//MUS MUSCULUS  
 (MOUSE)//P05143  
 F-Y79AA1001312//50S RIBOSOMAL PROTEIN L24, CHLOROPLAST PRECURSOR//0.98:117:25//ARABIDOP-  
 25 SIS THALIANA (MOUSE-EAR CRESS)//P92959  
 F-Y79AA1001323//CORNIFIN (SMALL PROLINE-RICH PROTEIN I) (SPR-I) (SMALL PROLINE-RICH SQUA-  
 MOUS CELL MARKER) (SPRP)//0.082:44:40//SUS SCROFA (PIG)//P35323  
 F-Y79AA1001384//APOLIPOPROTEIN C-III PRECURSOR (APO-CIII)//0.99:47:40//MUS MUSCULUS  
 (MOUSE)//P33622  
 30 F-Y79AA1001391//HOMEBOX PROTEIN HOX-A13 (HOX-1J)//9.8e-58:157:62//HOMO SAPIENS (HUMAN)//  
 P31271  
 F-Y79AA1001394//TRICHOHYALIN//4.7e-08:121:36//HOMO SAPIENS (HUMAN)//Q07283  
 F-Y79AA1001402//ETS-DOMAIN TRANSCRIPTION FACTOR ERF//0.0087:81:33//MUS MUSCULUS  
 (MOUSE)//P70459  
 35 F-Y79AA1001493//HYPOTHETICAL 48.1 KD PROTEIN B0403.2 IN CHROMOSOME X//4.5e-21:125:44//  
 CAENORHABDITIS ELEGANS//Q11076  
 F-Y79AA1001511//HYPOTHETICAL 86.6 KD PROTEIN IN PFK1-TDS4 INTERGENIC REGION//2.3e-17:249:  
 31//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53313  
 F-Y79AA1001533//DNA-DIRECTED RNA POLYMERASE I49 KD POLYPEPTIDE (EC 2.7.7.6) (A49)//0.0099:  
 40 155:23//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//Q01080  
 F-Y79AA1001541  
 F-Y79AA1001548//!!!! ALU SUBFAMILY SC WARNING ENTRY !!!!!/1.1e-17:53:83//HOMO SAPIENS (HUMAN)//  
 P39192  
 F-Y79AA1001555//MAJOR SURFACE ANTIGEN//0.046:62:29//HEPATITIS B VIRUS//P31873  
 45 F-Y79AA1001581//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- AC-  
 TIVATING ENZYME)//8.6e-11:144:31//ESCHERICHIA COLI//P27550  
 F-Y79AA1001585//SPERM MITOCHONDRIAL CAPSULE SELENOPROTEIN (MCS)//0.012:64:40//MUS MUS-  
 CULUS (MOUSE)//P15265  
 F-Y79AA1001594//CORNIFIN BETA//0.61:88:31//MUS MUSCULUS (MOUSE)//O09116  
 50 F-Y79AA1001603//TRANSCRIPTION INITIATION FACTOR TFIID 135 KD SUBUNIT (TAFII-135) (TAFII135)  
 (TAFII-130) (TAFII130)//0.024:170:30//HOMO SAPIENS (HUMAN)//O00268  
 F-Y79AA1001613//ZINC FINGER PROTEIN 42 (MYELOID ZINC FINGER 1) (MZF-1)//4.5e-09:136:27//HOMO  
 SAPIENS (HUMAN)//P28698  
 F-Y79AA1001647//HYPOTHETICAL 23.1 KD PROTEIN CY277.20C//0.093:94:26//MYCOBACTERIUM TUBER-  
 55 CULOSIS//P71779  
 F-Y79AA1001665//HOMEBOX PROTEIN DLX-2 (HOMEBOX PROTEIN TES-1)//0.79:90:26//MUS MUSCU-  
 LUS (MOUSE)//P40764  
 F-Y79AA1001679//LAMBDA-CRYSTALLIN//1.6e-95:224:81//ORYCTOLAGUS CUNICULUS (RABBIT)//P14755

F-Y79AA1001692//GERM CELL-LESS PROTEIN//3.5e-08:78:38//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q01820  
 F-Y79AA1001696//INSULIN//1.0:33:27//ANGUILLA ROSTRATA (AMERICAN EEL)//P42633  
 5 F-Y79AA1001705//HYPOTHETICAL BHLF1 PROTEIN//0.0013:192:33//EPSTEIN-BARR VIRUS (STRAIN B95-8) (HUMAN HERPESVIRUS 4)//P03181  
 F-Y79AA1001711//PARATHYMOSIN (ZINC-BINDING 11.5 KD PROTEIN)//0.032:38:34//RATTUS NORVEGICUS (RAT)//P04550  
 F-Y79AA1001781  
 10 F-Y79AA1001805//VASODILATOR-STIMULATED PHOSPHOPROTEIN (VASP)//0.0063:128:30//HOMO SAPIENS (HUMAN)//P50552  
 F-Y79AA1001827//SPERM PROTAMINE P1//0.015:45:40//DIDELPHIS MARSUPIALIS VIRGINIANA (NORTH AMERICAN OPOSSUM), AND MONODELPHIS DOMESTICA (SHORT-TAILED GREY OPOSSUM)//P35305  
 F-Y79AA1001846//!!!! ALU SUBFAMILY J WARNING ENTRY!!!!//2.4e-09:42:73//HOMO SAPIENS (HUMAN)//P39188  
 15 F-Y79AA1001848//KRUEPPEL PROTEIN (FRAGMENT)//1.8e-10:63:44//PSYCHODA CINEREA//Q02035  
 F-Y79AA1001866//ZINC FINGER PROTEIN 90 (ZFP-90) (ZINC FINGER PROTEIN NK10)//0.00036:108:37//MUS MUSCULUS (MOUSE)//Q61967  
 F-Y79AA1001874//OX40L RECEPTOR PRECURSOR (ACT35 ANTIGEN) (TAX-TRANSCRIPTIONALLY ACTIVATED GLYCOPROTEIN-1 RECEPTOR) (CD134 ANTIGEN)//3.2e-07:100:35//HOMO SAPIENS (HUMAN)//P43489  
 20 F-Y79AA1001875//B-CELL GROWTH FACTOR PRECURSOR (BCGF-12 KD)//0.020:25:64//HOMO SAPIENS (HUMAN)//P20931  
 F-Y79AA1001923//SALIVARY PROLINE-RICH PROTEIN PO (ALLELE K) [CONTAINS: PEPTIDE P-D] (FRAGMENT)//0.016:83:36//HOMO SAPIENS (HUMAN)//P10162  
 25 F-Y79AA1001963//PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE SPAC10F6.02C//8.1e-13:94:47//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//O42643  
 F-Y79AA1002027//UBIQUITIN-CONJUGATING ENZYME E2-18 KD (EC 6.3.2.19) (UBIQUITIN- PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) (PM42)//9.8e-39:143:52//ARABIDOPSIS THALIANA (MOUSE-EAR CRESS)//P42743  
 30 F-Y79AA1002083//DNA-BINDING P52/P100 COMPLEX, 100 KD SUBUNIT (FRAGMENTS)//0.036:53:45//HOMO SAPIENS (HUMAN)//P30808  
 F-Y79AA1002089//HYPOTHETICAL 49.1 KD PROTEIN F02A9.4 IN CHROMOSOME III//0.12:171:22//CAENORHABDITIS ELEGANS//P34384  
 F-Y79AA1002093//MAX PROTEIN//3.1e-07:111:29//BRACHYDANIO RERIO (ZEBRAFISH) (ZEBRA DANIO)//P52161  
 35 F-Y79AA1002103//SHORT NEUROTOXIN C//0.040:21:47//AIPYSURUS LAEVIS (OLIVE SEA SNAKE)//P19958  
 F-Y79AA1002115//HYPOTHETICAL PROTEIN MJ0827//0.84:68:30//METHANOCOCCUS JANNASCHII//Q58237  
 40 F-Y79AA1002125//HYPOTHETICAL 24.7 KD PROTEIN IN POM152-REC114 INTERGENIC REGION//3.4e-29:197:39//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P40206  
 F-Y79AA1002139//DNAJ PROTEIN HOMOLOG 1 (DROJ1)//1.9e-19:120:45//DROSOPHILA MELANOGASTER (FRUIT FLY)//Q24133  
 F-Y79AA1002204//TBX6 PROTEIN (T-BOX PROTEIN 6)//0.0011:162:32//MUS MUSCULUS (MOUSE)//P70327  
 45 F-Y79AA1002208//ANKYRIN//2.9e-08:231:29//MUS MUSCULUS (MOUSE)//Q02357  
 F-Y79AA1002209//TYROSYL-TRNA SYNTHETASE, MITOCHONDRIAL PRECURSOR (EC 6.1.1.1) (TYROSINE--TRNA LIGASE) (TYRRS)//3.7e-23:170:32//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P48527  
 F-Y79AA1002210//CORNIFIN A (SMALL PROLINE-RICH PROTEIN IA) (SPR-IA) (SPRK)//0.0061:69:31//HOMO SAPIENS (HUMAN)//P35321  
 50 F-Y79AA1002211//!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!//9.2e-10:43:62//HOMO SAPIENS (HUMAN)//P39193  
 F-Y79AA1002220  
 F-Y79AA1002229//HYPOTHETICAL 60.7 KD PROTEIN C56F8.17C IN CHROMOSOME I//1.9e-21:147:40//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST)//Q10264  
 55 F-Y79AA1002234  
 F-Y79AA1002246//MYOSIN IC HEAVY CHAIN//0.00066:131:34//ACANTHAMOEBA CASTELLANII (AMOEBA)//P10569

# EP 1 074 617 A2

F-Y79AA1002258//HYPOTHETICAL 103.9 KD PROTEIN ZK370.3 IN CHROMOSOME III.//4.3e-45:164:48//  
CAENORHABDITIS ELEGANS//Q02328  
F-Y79AA1002298//SALIVARY PROLINE-RICH PROTEIN PO (ALLELE M) [CONTAINS: PEPTIDE P-D] (FRAG-  
MENT).//0.0063:99:31//HOMO SAPIENS (HUMAN).//P10161  
5 F-Y79AA1002307  
F-Y79AA1002311//HYPOTHETICAL 105.3 KD PROTEIN C01G6.5 IN CHROMOSOME III.//0.75:198:24//  
CAENORHABDITIS ELEGANS//P46012  
F-Y79AA1002351//CUTICLE COLLAGEN 34 //0.74:128:35//CAENORHABDITIS ELEGANS//P34687  
F-Y79AA1002361//GLC7-INTERACTING PROTEIN 2.//0.050:71:29//SACCHAROMYCES CEREVISIAE (BAK-  
ER'S YEAST)//P40036  
10 F-Y79AA1002399//NEUROMODULIN (AXONAL MEMBRANE PROTEIN GAP-43) (PP46) (B-50) (PROTEIN F1)  
(CALMODULIN-BINDING PROTEIN P-57).//1.0:89:30//CARASSIUS AURATUS (GOLDFISH)//P17691  
F-Y79AA1002407//HYPOTHETICAL 31.5 KD PROTEIN IN YGP1-YCK2 INTERGENIC REGION.//3.7e-16:232:  
28//SACCHAROMYCES CEREVISIAE (BAKER'S YEAST)//P53899  
15 F-Y79AA1002416//CTP SYNTHASE (EC 6.3.4.2) (UTP--AMMONIA LIGASE) (CTP SYNTHETASE)//6.7e-72:  
162:84//HOMO SAPIENS (HUMAN).//P17812  
F-Y79AA1002431//SMALL PROLINE RICH PROTEIN II (SPR-II) (CLONE 930)//0.81:34:41//HOMO SAPIENS  
(HUMAN).//P22531  
F-Y79AA1002433//CELL DIVISION CONTROL PROTEIN 68.//0.00024:85:27//SACCHAROMYCES CEREVI-  
SIAE (BAKER'S YEAST)//P32558  
20 F-Y79AA1002472//ZINC FINGER PROTEIN 35 (ZFP-35).//2.3e-60:217:44//MUS MUSCULUS (MOUSE)//  
P15620  
F-Y79AA1002482//ZINC FINGER PROTEIN 141 //2.0e-31:90:55//HOMO SAPIENS (HUMAN).//Q15928  
F-Y79AA1002487//HYPOTHETICAL 67.1 KD TRP-ASP REPEATS CONTAINING PROTEIN C57A10.05C IN  
25 CHROMOSOME I//0.18:41:36//SCHIZOSACCHAROMYCES POMBE (FISSION YEAST).//P87053

## Homology Search Result Data 2.

[0300] The result of the homology search of the GenBank using the clone sequence of 5'-end except EST and STS.  
30 [0301] Data include  
the name of clone,  
definition of the top hit data,  
the P-value: the length of the compared sequence: identity (%), and  
35 the Accession No. of the top hit data, as in the order separated by //.  
[0302] Data are not shown for the clones in which the P-value was higher than 1.

F-HEMBA1000005//Mouse tumor cell dnaJ-like protein 1 mRNA, complete cds.//3.4e-106:695:86//L16953  
F-HEMBA1000012//Caenorhabditis-elegans cosmid C16C10, complete sequence.//1.5e-24:374:66//Z46787  
40 F-HEMBA1000020//Homo sapiens beta 2 gene.//3.5e-112:529:90//X02344  
F-HEMBA1000030//Rattus norvegicus G protein-coupled receptor kinase-associated ADP ribosylation factor GT-  
Pase-activating protein (GIt1) mRNA, complete cds.//5.6e-124:743:88//AF085693  
F-HEMBA1000042//Human Chromosome 15q26.1 PAC clone pDJ460g16, WORKING DRAFT SEQUENCE, 3  
unordered pieces.//1.1e-25:529:65//AC004581  
45 F-HEMBA1000046//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 125I3, WORKING  
DRAFT SEQUENCE.//3.2e-11:330:63//AL033528  
F-HEMBA1000050//Homo sapiens DNA sequence from PAC 172K10 on chromosome 6q24. Contains STS, GSS  
and chromosome 6 fragment, complete sequence.//0.32:407:59//AL022477  
F-HEMBA1000076//Homo sapiens full-length insert cDNA clone ZB97G06.//6.2e-135:594:98//AF086182  
50 F-HEMBA1000111//CIT-HSP-2291M18.TF CIT-HSP Homo sapiens genomic clone 2291M18 genomic survey se-  
quence.//2.8e-16:132:79//AQ004134  
F-HEMBA1000129//Homo sapiens chromosome 17, clone HCIT48C15, complete sequence.//8.6e-98:230:93//  
AC003104  
F-HEMBA1000141//Homo sapiens mRNA for KIAA0797 protein, partial cds.//2.1e-167:791:98//AB018340  
55 F-HEMBA1000150//Homo sapiens mRNA for KIAA0788 protein, partial cds.//2.2e-44:242:96//AB018331  
F-HEMBA1000156//Rattus norvegicus scaffold attachment factor B mRNA, complete cds.//1.1e-10:409:60//  
AF056324  
F-HEMBA1000158//Homo sapiens CAGH44 mRNA, partial cds.//1.6e-35:365:73//U80741

- F-HEMBA1000168//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 321D2, WORKING DRAFT SEQUENCE.//0.99:290:61//AL031033  
 F-HEMBA1000180//rat u2 small nuclear rna gene and flanks.//3.7e-18:112:98//K00034  
 F-HEMBA1000185
- 5 F-HEMBA1000193//Human FMR1 gene, 5' end.//0.0012:191:67//L19476  
 F-HEMBA1000201//Human Ini1 mRNA, complete cds.//2.0e-73:440:92//U04847  
 F-HEMBA1000213//Plasmodium falciparum MAL3P7, complete sequence.//0.90:332:59//AL034559  
 F-HEMBA1000216//Mus musculus hypoxia inducible factor three alpha mRNA, complete cds.//4.8e-117:585:83//AF060194
- 10 F-HEMBA1000227//H.sapiens CpG island DNA genomic Mse1 fragment, clone 179h6, reverse read cpg179h6.rt1a.//1.9e-14:95:98//Z64921  
 F-HEMBA1000231//H.sapiens CpG island DNA genomic Mse1 fragment, clone 90a5, reverse read cpg90a5.rt1a.//5.1e-34:186:97//Z56144  
 F-HEMBA1000243//Human DNA sequence from PAC 440O21 on chromosome X contains ESTs and STS.//4.1e-67:291:82//Z84481
- 15 F-HEMBA1000244//M.musculus Ank-1 mRNA for erythroid ankydn.//0.029:316:59//X69065  
 F-HEMBA1000251//Homo sapiens PAC clone DJ0988L12 from 7q11.23-q21.1, complete sequence.//0.35:467:60//AC004454  
 F-HEMBA1000264
- 20 F-HEMBA1000280//Homo sapiens clone DJ0292L20, WORKING DRAFT SEQUENCE, 2 unordered pieces.//8.9e-20:218:78//AC004825  
 F-HEMBA1000282//Homo sapiens chromosome Y, clone 264,M,20, complete sequence.//4.2e-08:134:77//AC004617  
 F-HEMBA1000288//345L5.TPB CIT978SKA1 Homo sapiens genomic clone A-345L05, genomic survey sequence.//1.1e-06:152:73//B17459
- 25 F-HEMBA1000290//Human ornithine decarboxylase gene, complete cds.//3.2e-11:507:62//M33764  
 F-HEMBA1000302//CIT-HSP-2169N13.TF CIT-HSP Homo sapiens genomic clone 2169N13, genomic survey sequence.//5.4e-06:86:88//B90730  
 F-HEMBA1000303//Mus musculus Plenty of SH3s (POSH) mRNA, complete cds.//7.9e-111:701:86//AF030131
- 30 F-HEMBA1000304//HS\_3006\_A1\_A09\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3006 Col=17 Row=A, genomic survey sequence.//5.2e-40:240:92//AQ118226  
 F-HEMBA1000307//Mus musculus mRNA for CDV-1R protein.//7.9e-127:815:84//Y10495  
 F-HEMBA1000327//HS\_3124\_B2\_H08\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3124 Col=16 Row=P, genomic survey sequence.//1.4e-11:87:96//AQ187492
- 35 F-HEMBA1000333  
 F-HEMBA1000338//Homo sapiens chromosome X, PAC 671D9, complete sequence.//4.0e-66:271:84//AF031078  
 F-HEMBA1000351//Homo sapiens PAC clone DJ0649P17 from 7q11.23-q21, complete sequence.//0.64:334:60//AC004848  
 F-HEMBA1000355//Pseudorabies virus serine/threonine kinase (ULPK) gene, partial cds and alkaline nuclease (AN) gene, complete cds.//0.017:313:63//J25056
- 40 F-HEMBA1000356//Oryctolagus cuniculus troponin T cardiac isoform mRNA, 3' end of cds.//0.87:198:61//L40178  
 F-HEMBA1000357//HS\_3194\_A1\_D05\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3194 Col=9 Row=G, genomic survey sequence.//6.5e-90:436:98//AQ173748  
 F-HEMBA1000366//HS\_3027\_B2\_G06\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3027 Col=12 Row=N, genomic survey sequence.//0.0074:192:64//AQ128843
- 45 F-HEMBA1000369//Human DNA sequence from clone 1039K5 on chromosome 22q12.3-13.2 Contains gene similar to PICK1 perinuclear binding protein, gene similar to monocarboxylate transporter (MCT3), ESTs, STS, GSS and a CpG island, complete sequence.//4.2e-106:133:99//AL031587  
 F-HEMBA1000376//Homo sapiens chromosome 19, BAC CIT-B-393i15 (BC301323), complete sequence.//1.6e-22:659:63//AC006116
- 50 F-HEMBA1000387//Homo sapiens chromosome 12p13.3 clone RPC11-264F23, WORKING DRAFT SEQUENCE, 90 unordered pieces.//3.2e-06:136:75//AC006122  
 F-HEMBA1000390//Homo sapiens BAC clone RG119C02 from 7p15, complete sequence.//3.5e-111:284:95//AC004520
- 55 F-HEMBA1000392//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 173D1, WORKING DRAFT SEQUENCE.//1.8e-39:332:80//AL031984  
 F-HEMBA1000396//Human Xq13 3' end of PAC 92E23 containing the X inactivation transcript (XIST) gene, complete sequence.//9.5e-35:364:73//U80460

- F-HEMBA1000411//Human Xp22 contig of 3 PACS (R7-39D12, R7-134G1, R7-185L21) from the Roswell Park Cancer Institute, complete sequence.//8.1e-18:424:64//U96409
- F-HEMBA1000418//Drosophila melanogaster Oregon-R mitochondrial A+T region.//0.0026:564:59//U11584
- 5 F-HEMBA1000422//Human DNA from chromosome 19 specific cosmid R30292, genomic sequence, complete sequence.//9.2e-14:232:70//AC003112
- F-HEMBA1000428//Homo sapiens Xp22 BAC GSHB-590J6 (Genome Systems Human BAC library) complete sequence.//3.8e-37:408:69//AC004554
- F-HEMBA1000434//Caenorhabditis elegans cosmid Y48E1B, complete sequence.//0.73:454:57//Z93393
- F-HEMBA1000442
- 10 F-HEMBA1000456//RPCI11-30J5.TV RPCI-11 Homo sapiens genomic clone RPCI-11-30J5, genomic survey sequence.//6.3e-06:62:96//B85188
- F-HEMBA1000459//Mus musculus hemin-sensitive initiation factor 2 alpha kinase mRNA, complete cds.//6.8e-70:580:79//AF028808
- F-HEMBA1000460//Homo sapiens PAC clone DJ0593H12 from 7p31, complete sequence.//2.8e-154:746:98//AC004839
- 15 F-HEMBA1000464//Homo sapiens, clone hRPK.15\_A\_1, complete sequence.//4.8e-25:397:72//AC006213
- F-HEMBA1000469//CIT-HSP-2167P21.TF CIT-HSP Homo sapiens genomic clone 2167P21, genomic survey sequence.//4.0e-83:406:99//B94160
- F-HEMBA1000488//Homo sapiens Chromosome 22q11.2 PAC Clone p\_m11 In BCRL2-GGT Region, complete sequence.//4.2e-53:312:93//AC004033
- 20 F-HEMBA1000490//Campylobacter jejuni groES, groEL genes.//0.59:451:62//Y13334
- F-HEMBA1000491//Murine sarcoma virus (Harvey-strain) H-ras transforming p21 gene.//8.6e-06:338:58//X00740
- F-HEMBA1000501//Homo sapiens chromosome 17, clone hRPK.264\_B\_14, complete sequence.//9.4e-41:591:69//AC005884
- 25 F-HEMBA1000504//Homo sapiens mRNA for osteoblast specific factor 2 (OSF-2os).//4.0e-07:57:100//D13666
- F-HEMBA1000505
- F-HEMBA1000508//\*\*\* SEQUENCING IN PROGRESS \*\*\* Homo sapiens chromosome 4, BAC clone C0135005; HTGS phase 1, WORKING DRAFT SEQUENCE, 23 unordered pieces.//0.035:329:61//AC004661
- F-HEMBA1000518//Caenorhabditis elegans cosmid C17H12.//0.96:425:58//AF045642
- 30 F-HEMBA1000519//Homo sapiens Xp22 BAC GSHB-536K7 (Genome Systems Human BAC library) complete sequence.//1.6e-53:300:89//AC004616
- F-HEMBA1000520//Homo sapiens clone DJ0813F11, WORKING DRAFT SEQUENCE, 5 unordered pieces.//1.7e-10:117:86//AC006006
- F-HEMBA1000523
- 35 F-HEMBA1000531//Mus musculus Hsp70-related NST-1 (hsr.1) mRNA, complete cds.//3.9e-35:290:80//U08215
- F-HEMBA1000534//Homo sapiens chromosome 17, clone hRPK.177\_H\_5, WORKING DRAFT SEQUENCE, 2 ordered pieces.//1.7e-36:328:77//AC005973
- F-HEMBA1000540//Arabidopsis thaliana DNA chromosome 4, BAC clone F7K2 (ESSAll project).//0.057:265:63//AL033545
- 40 F-HEMBA1000542//Rattus norvegicus mRNA for dipeptidyl peptidase III, complete cds.//1.2e-110:572:88//D89340
- F-HEMBA1000545//Human DNA from cosmid L27h9, Huntington's Disease Region, chromosome 4p16.3 contains CpG island.//7.5e-130:780:89//Z49237
- F-HEMBA1000555//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 134O19, WORKING DRAFT SEQUENCE.//3.2e-175:838:98//AL034555
- 45 F-HEMBA1000557//CIT-HSP-2369F15.TF CIT-HSP Homo sapiens genomic clone 2369F15, genomic survey sequence.//2.8e-32:315:78//AQ074611
- F-HEMBA1000561//Rattus norvegicus Olf-1/EBF associated Zn finger protein Roaz mRNA, alternatively spliced form, complete cds.//3.4e-69:665:72//U92564
- F-HEMBA1000563//Plasmodium falciparum 3D7 chromosome 12 PFYAC1383 genomic sequence, WORKING DRAFT SEQUENCE, 3 unordered pieces.//0.59:261:61//AC005504
- 50 F-HEMBA1000568//HS\_3243\_B2\_A12\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3243 Col=24 Row=B, genomic survey sequence.//3.1e-54:323:91//AQ219628
- F-HEMBA1000569//M.musculus mRNA for GPI-anchored protein.//1.4e-19:440:61//X89571
- F-HEMBA1000575//Plasmodium falciparum 3D7 chromosome 12 PFYAC357 genomic sequence, WORKING DRAFT SEQUENCE, 7 unordered pieces.//0.0016:557:57//AC005506
- 55 F-HEMBA1000588//Mus musculus FLI-LRR associated protein-1 mRNA, complete cds.//1.7e-11:132:79//AF045573
- F-HEMBA1000591//Homo sapiens mRNA for E1B-55kDa-associated protein.//7.3e-43:228:97//AJ007509

- F-HEMBA1000592//Mus musculus clone OST7314, genomic survey sequence//7.3e-07:68:94//AF046733  
 F-HEMBA1000594//Human DNA sequence from PAC 306D1 on chromosome X contains ESTs.//8.7e-71:553:79//Z83822  
 5 F-HEMBA1000604//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 237J2, WORKING DRAFT SEQUENCE.//2.9e-21:158:75//AL021394  
 F-HEMBA1000608//Homo sapiens mRNA for KIAA0456 protein, partial cds.//1.1e-118:561:99//AB007925  
 F-HEMBA1000622//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-152E5, complete sequence//2.2e-28:426:70//AC004382  
 F-HEMBA1000636//Human CpG island sequence, clone Q28B8.//1.0e-15:274:68//D85773  
 10 F-HEMBA1000637//Homo sapiens mRNA for KIAA0690 protein, partial cds.//6.7e-137:639:99//AB014590  
 F-HEMBA1000655//, complete sequence.//5.1e-83:685:80//AC005815  
 F-HEMBA1000657//Rattus norvegicus ADP-ribosylation factor-directed GTPase activating protein mRNA, complete cds.//1.1e-91:597:84//U35776  
 F-HEMBA1000662//Homo sapiens clone DJ0853H20, WORKING DRAFT SEQUENCE, 5 unordered pieces.//0.019:695:57//AC004907  
 15 F-HEMBA1000673//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 229A8, WORKING DRAFT SEQUENCE.//1.5e-48:325:85//Z86090  
 F-HEMBA1000682//Homo sapiens (subclone 5\_g5 from P1 H25) DNA sequence//7.7e-61:615:74//L43411  
 F-HEMBA1000686  
 20 F-HEMBA1000702  
 F-HEMBA1000705//Plasmodium falciparum 3D7 chromosome.12 PFYACB8-628 genomic sequence, WORKING DRAFT SEQUENCE, 9 unordered pieces.//0.0037:569:57//AC005507  
 F-HEMBA1000719//Streptomyces coelicolor cosmid 1C2.//2.0e-09:483:62//AL031124  
 F-HEMBA1000722//Toxoplasma gondii chloroplast, complete genome//0.00058:762:57//U87145  
 25 F-HEMBA1000726//H.sapiens HLA-DRB1\*15 gene.//9.8e-49:189:89//X88791  
 F-HEMBA1000727//CIT-HSP-387P22.TRB CIT-HSP Homo sapiens genomic clone 387P22, genomic survey sequence.//0.0054:206:67//B60158  
 F-HEMBA1000747  
 F-HEMBA1000749//Human DNA sequence from clone 522P13 on chromosome 6p21.31-22.3. Contains a 60S Ribosomal Protein L21 pseudogene and an HNRNP A3 (Heterogenous Nuclear Riboprotein A3, FBRNP) pseudogene. Contains ESTs, STSs and GSSs, complete sequence.//3.3e-05:124:75//AL024509  
 30 F-HEMBA1000752//Human Chromosome X, complete sequence.//5.9e-48:502:75//AC004073  
 F-HEMBA1000769//Homo sapiens clone NH0576N21, WORKING DRAFT SEQUENCE, 5 unordered pieces.//0.011:179:67//AC005043  
 35 F-HEMBA1000773//Caenorhabditis elegans DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y59A8, WORKING DRAFT SEQUENCE.//0.070:231:63//Z98870  
 F-HEMBA1000774//Homo sapiens PAC clone DJ1059M17 from 7q21-q31.1, complete sequence.//6.2e-40:385:75//AC004953  
 F-HEMBA1000791  
 40 F-HEMBA1000817//Myrmecia pilosula H187-135 mitochondrion cytochrome b gene, partial cds.//0.99:244:58//U15678  
 F-HEMBA1000822//Human DNA sequence from PAC 179D3, between markers DXS6791 and DXS8038 on chromosome X contains S10 GTP-binding protein, ESTs and CpG island.//0.033:294:62//Z81370  
 F-HEMBA1000827//Borrelia burgdorferi (section 50 of 70) of the complete genome.//9.7e-05:463:58//AE001164  
 45 F-HEMBA1000843//Homo sapiens DNA sequence from clone 511B24 on chromosome 20q11.2-12. Contains the TOP1 gene for Topoisomerase I, the PLCG1 gene for 1-Phosphatidylinositol-4,5-Bisphosphate Phosphodiesterase Gamma 1 (EC 3.1.4.11, PLC-Gamma-1, Phospholipase C-Gamma-1 PLC-II, PLC-148), the KIAA0395 gene for a probable Zinc Finger Homeobox protein and a 60S Ribosomal Protein L23 LIKE pseudogene. Contains a predicted CpG island, ESTs, STSs and GSSs, complete sequence.//3.0e-153:732:98//AL022394  
 50 F-HEMBA1000851//Rattus norvegicus glucocorticoid modulatory element binding protein 2 mRNA, complete cds.//1.6e-31:386:72//AF059273  
 F-HEMBA1000852//Homo sapiens Xp22 bins 3-5 PAC RPC14-617A9 (Roswell Park Cancer Institute Human PAC Library) containing Arylsulfatase D and E genes, complete sequence.//8.5e-115:455:98//AC005295  
 F-HEMBA1000867  
 55 F-HEMBA1000869//Human DNA sequence from cosmid J138O17, between markers DXS6791 and DXS8038 on chromosome X contains EST CA repeat and an endogenous retroviral like element.//6.6e-41:424:75//Z72519  
 F-HEMBA1000870//Gnamptodon pumilio cytochrome oxidase II gene, partial cds; and tRNA-Asp, tRNA-His, and tRNA-Lys genes, complete sequence, mitochondrial genes for mitochondrial products.//0.0049:211:66//AF034598

- F-HEMBA1000872//CIT-HSP-2355D20.TF CIT-HSP Homo sapiens genomic clone 2355D20, genomic survey sequence.//3.7e-33:180:98//AQ059583
- F-HEMBA1000876//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 473B4, WORKING DRAFT SEQUENCE.//5.6e-37:262:72//Z83826
- 5 F-HEMBA1000908//Triticum aestivum low-affinity cation transporter (LCT1) mRNA, complete cds.//1.0:304:59//AF015523
- F-HEMBA1000910//M.musculus necdin mRNA, complete cds.//6.1e-08:256:61//M80840
- F-HEMBA1000918//Tetrahymena thermophila micronuclear developmentally eliminated sequence region.//0.13:232:63//J88158
- 10 F-HEMBA1000919//Gallus domesticus filamin mRNA, complete cds.//1.0:213:65//U00147
- F-HEMBA1000934//CIT-HSP-2053H24.TR CIT-HSP Homo sapiens genomic clone 2053H24, genomic survey sequence.//5.5e-11:275:64//B69224
- F-HEMBA1000942//Homo sapiens clone DJ0754G14, WORKING DRAFT SEQUENCE, 15 unordered pieces.//9.7e-05:78:83//AC004878
- 15 F-HEMBA1000943//Homo sapiens chromosome 17, clone hRPK.640\_L\_15, complete sequence.//5.8e-140:661:99//AC005324
- F-HEMBA1000946
- F-HEMBA1000960//Homo sapiens clone DJ1111F22, WORKING DRAFT SEQUENCE, 12 unordered pieces.//8.3e-16:181:75//AC004967
- 20 F-HEMBA1000968//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 69M21, WORKING DRAFT SEQUENCE.//4.4e-117:398:86//AL031735
- F-HEMBA1000971//H.sapiens CpG island DNA genomic MseI fragment, clone 182f4, forward read cpg182f4 ft1a.//1.5e-20:126:96//Z57528
- F-HEMBA1000972//Homo sapiens genomic DNA of 8p21.3-p22 anti-oncogene of hepatocellular colorectal and non-small cell lung cancer, segment 1/11.//0.34:642:59//AB020858
- 25 F-HEMBA1000974//Homo sapiens clone DA0091H08, complete sequence.//5.1e-183:865:98//AC004817
- F-HEMBA1000975//Orf virus homologue of retroviral pseudoprotease gene, complete cds.//0.00065:391:62//M30023
- F-HEMBA10009851//Human DNA sequence from clone 272E8 on chromosome Xp22.13-22.31. Contains a pseudogene similar to MDM2-Like P53-binding protein gene. Contains STSs, GSSs and a CA repeat polymorphism, complete sequence.//3.4e-05:243:65//Z93929
- 30 F-HEMBA1000986//Homo sapiens DNA from chromosome 19-cosmid R31491, genomic sequence.//6.6e-06:508:61//AD000813
- F-HEMBA1000991//Homo sapiens mRNA for Hrs, complete cds.//1.2e-22:193:84//D84064 F-HEMBA1001007
- 35 F-HEMBA1001008//Human DNA sequence from clone 391O22 on chromosome 6p21.2-21.31 Contains pseudogenes similar to ribosomal protein, ESTs, GSSs, complete sequence.//7.8e-46:532:73//AL031577
- F-HEMBA1001009//Human mRNA for IgM heavy chain complete sequence.//0.97:369:59//X17115
- F-HEMBA1001017//Homo sapiens mRNA for KIAA0468 protein, complete cds.//4.4e-139:661:98//AB007937
- F-HEMBA1001019//Homo sapiens, clone hRPK.15\_A\_1, complete sequence.//1.6e-16:521:64//AC006213
- 40 F-HEMBA1001020//Homo sapiens chromosome 17, clone hRPK.178\_C\_3, complete sequence.//3.8e-50:367:72//AC005702
- F-HEMBA1001022
- F-HEMBA1001024//Homo sapiens T-cell receptor alpha delta locus from bases 1 to 250529 (section 1 of 5) of the Complete Nucleotide Sequence.//5.0e-23:378:69//AE000658
- 45 F-HEMBA1001026//Homo sapiens DNA sequence from PAC 435D1 on chromosome Xq25. Contains ESTs and STS.//7.6e-19:867:60//Z86064
- F-HEMBA1001043//HS\_2219\_B1\_A10\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2219 Col=19 Row=B, genomic survey sequence.//3.0e-15:124:88//AQ301521
- F-HEMBA1001051//Human Chromosome X clone bWXD342, complete sequence.//4.8e-79:308:84//AC004072
- 50 F-HEMBA1001052//Homo sapiens chromosome 17, clone hRPK.146\_P\_2, WORKING DRAFT SEQUENCE, 4 unordered pieces.//0.53:384:61//AC005341
- F-HEMBA1001059//Human N-acetylgalactosamine 6-sulphatase (GALNS) gene, exon 10.//2.8e-26:397:71//U06084
- F-HEMBA1001060//Homo sapiens chromosome 17, clone hRPK.855\_D\_21 complete sequence.//0.98:280:62//AC006079
- 55 F-HEMBA1001071//Human mRNA for pro alpha 1 (III) collagen C-terminal propeptide.//1.1e-31:181:96//X01742
- F-HEMBA1001077//nuclear protein TIF1 [mice, mRNA, 3951 nt].//3.6e-13:338:65//S78219
- F-HEMBA1001080//Streptomyces coelicolor cosmid 1A9.//0.00012:364:63//AL034446



- F-HEMBA1001085//Human Chromosome 15q26.1 PAC clone pDJ290i21 containing fur, fes, and alpha mannosidase Iix genes, WORKING DRAFT SEQUENCE, 9 unordered pieces.//8.5e-134:476:96//AC004586
- F-HEMBA1001088//Sequence 1 from patent US 5552529.//2.2e-71:303:78//I25863
- F-HEMBA1001094//Homo sapiens clone RG491N20, complete sequence.//8.9e-119:609:96//AC005105
- 5 F-HEMBA1001099
- F-HEMBA1001109//Homo sapiens BAC clone RG318M05 from 7q22-q31.1, complete sequence.//2.4e-58:347:87//AC005250
- F-HEMBA1001121//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 90G24, WORKING DRAFT SEQUENCE.//3.4e-21:226:65//AL008723
- 10 F-HEMBA1001122//Plasmodium falciparum chromosome 2, section 20 of 73 of the complete sequence.//9.2e-07:732:57//AE001383
- F-HEMBA1001123//Homo sapiens full-length insert cDNA clone ZD38E12.//1.1e-11:231:68//AF086247
- F-HEMBA1001133//Homo sapiens clone DJ0856O24, WORKING DRAFT SEQUENCE, 4 unordered pieces.//0.011:163:69//AC004909
- 15 F-HEMBA1001137//Homo sapiens mRNA for KIAA0798 protein, complete cds.//6.9e-72:527:77//AB018341
- F-HEMBA1001140//Homo sapiens clone RG228D17, WORKING DRAFT SEQUENCE, 2 unordered pieces.//2.3e-120:578:98//AC005077
- F-HEMBA1001172//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-628 genomic sequence, WORKING DRAFT SEQUENCE, 9 unordered pieces.//0.010:520:59//AC005507
- 20 F-HEMBA1001174//R.norvegicus (Sprague Dawley) ARL5 mRNA for ARF-like protein 5.//1.0e-59:565:73//X78604
- F-HEMBA1001197//Homo sapiens clone 82F9, WORKING DRAFT SEQUENCE, 4 unordered pieces.//0.0037:151:70//AC004815
- F-HEMBA1001208//Human BAC clone RG264L19 from 7p15-p21, complete sequence.//7.4e-35:195:81//AC002410
- 25 F-HEMBA1001213//Homo sapiens clone DJ0892G19, complete sequence.//1.9e-171:826:98//AC004917
- F-HEMBA1001226//Homo sapiens clone DJ0850101, WORKING DRAFT SEQUENCE, 1 unordered pieces.//0.00010:557:57//AC006009
- F-HEMBA1001235//Homo sapiens chromosome 17, clone hRPK.601\_N\_13, complete sequence.//0.0086:372:58//AC005389
- 30 F-HEMBA1001247//H.sapiens CpG island DNA genomic MseI fragment, clone 11b11, reverse read cpg11b11.rt1a.//2.0e-24:154:93//Z64441
- F-HEMBA1001257//Homo sapiens alpha-methylacyl-CoA racemase mRNA, complete cds.//1.9e-88:659:81//AF047020
- F-HEMBA1001265//Human 18S ribosomal RNA.//1.0e-32:180:97//X03205
- 35 F-HEMBA1001281
- F-HEMBA1001286//B.taurus mRNA for RF-36-DNA-binding protein.//7.7e-26:236:81//X15543
- F-HEMBA1001289//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-69G12, complete sequence.//5.5e-28:530:64//AC004131
- F-HEMBA1001294//Yeast mitochondrial aapl gene for ATPase subunit 8.//2.8e-15:722:60//X00960
- 40 F-HEMBA1001299//Human DNA sequence from clone 422G23 on chromosome 6q24 Contains EST, STS, GSS, CpG island, complete sequence.//4.2e-24:288:76//AL031003
- F-HEMBA1001302//cDNA encoding a human homologue of a mouse novel polypeptide derived from stromal cell.//7.2e-121:439:96//E12260
- F-HEMBA1001303//Plasmodium falciparum 3D7 chromosome 12 PFYAC181 genomic sequence, WORKING DRAFT SEQUENCE, 8 unordered pieces.//0.011:637:56//AC005505
- 45 F-HEMBA1001310//HS\_3252\_B2\_B12\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3252 Col=24 Row=D, genomic survey sequence.//1.2e-16:166:82//AQ217054
- F-HEMBA1001319//CIT-HSP-2034J6.TF CIT-HSP Homo sapiens genomic clone 2034J6, genomic survey sequence.//0.33:256:59//B79408
- 50 F-HEMBA1001323//Homo sapiens proto-oncogene (Wnt-5a) mRNA, complete cds.//7.8e-30:165:99//L20861
- F-HEMBA1001326//Homo sapiens DNA sequence from BAC 55C20 on chromosome 6. Contains a Spinal Muscular Atrophy (SMA3) LIKE gene overlapping with a beta-glucuronidase LIKE pseudogene. Contains a membrane protein LIKE pseudogene, a Glyceraldehyde 3-phosphate dehydrogenase (GAPDH) LIKE pseudogene, five predicted tRNA genes. Contains ESTs, GSSs(BAC end sequences) and a CA repeat polymorphism, complete sequence.//5.4e-19:347:68//AL021368
- 55 F-HEMBA1001327//CIT-HSP-2354E10.TR CIT-HSP Homo sapiens genomic clone 2354E10, genomic survey sequence.//0.012:152:65//AQ075713
- F-HEMBA1001330//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 3-103, com-

# EP 1 074 617 A2

plete sequence.//0.0037:254:62//AL010208  
 F-HEMBA1001351//Homo sapiens VAMP-associated protein of 33 kDa (VAP-33) mRNA, complete cds.//1.1e-103:516:97//AF057358  
 F-HEMBA1001361//Homo sapiens chromosome 9, clone hRPK.202\_H\_3, complete sequence.//1.7e-150:706:99//AC006241  
 F-HEMBA1001375//Streptomyces coelicolor cosmid 1E6.//1.0:375:59//AL033505  
 F-HEMBA1001377//HS\_3020\_B1\_D12\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3020 Col=23 Row=H, genomic survey sequence.//0.00022:63:77//AQ105297  
 F-HEMBA1001383//Plasmodium falciparum chromosome 2, section 68 of 73 of the complete sequence.//0.00035:317:60//AE001431  
 F-HEMBA1001387//HS\_3039\_B1\_D01\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3039 Col=1 Row=H, genomic survey sequence.//5.0e-90:437:98//AQ155035  
 F-HEMBA1001388//Homo sapiens clone RG189J21, WORKING DRAFT SEQUENCE, 15 unordered pieces.//4.2e-47:159:89//AC005073  
 F-HEMBA1001391//Human DNA sequence from clone 409O10 on chromosome 20q12 Contains CA repeat, GSS, STS, complete sequence.//2.0e-06:495:60//AL031256  
 F-HEMBA1001398//H.sapiens CpG island DNA genomic MseI fragment, clone 70d11, forward read cpg70d11.ft1b.//0.018:46:97//Z62591  
 F-HEMBA1001405//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 50024, WORKING DRAFT SEQUENCE.//2.3e-74:623:71//AL034380  
 F-HEMBA1001407//Mus musculus domesticus Torino (Sry) gene, complete cds.//0.36:363:57//U03645  
 F-HEMBA1001411//Homo sapiens genomic DNA, 21q region, clone: S39BG29, genomic survey sequence.//8.4e-12:516:60//AG001050  
 F-HEMBA1001413  
 F-HEMBA1001415//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 410I8, WORKING DRAFT SEQUENCE.//0.98:177:64//AL031732  
 F-HEMBA1001432//Homo sapiens clone DJ0693M11, WORKING DRAFT SEQUENCE, 7 unordered pieces.//8.0e-177:859:97//AC006146  
 F-HEMBA1001433//Homo sapiens clone DJ0892G19, complete sequence.//2.0e-35:376:64//AC004917  
 F-HEMBA1001435//Homo sapiens chromosome 17, clone hRPK.63\_A\_1, complete sequence.//1.2e-74:284:84//AC005670  
 F-HEMBA1001442//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 3-66, complete sequence.//0.056:194:63//AL010138  
 F-HEMBA1001446//Homo sapiens chromosome 4 clone B150J4 map 4q25, complete sequence.//0.96:328:61//AC004047  
 F-HEMBA1001450  
 F-HEMBA1001454//Human DNA sequence from clone 598A24 on chromosome Xp11.1-11.23 Contains zinc finger X-linked proteins ZXDA, ZXDB, ESTs and STS, complete sequence.//2.0e-47:468:73//AL031115  
 F-HEMBA1001455//CIT978SK-32J2.TV CIT978SK Homo sapiens genomic clone 32J2, genomic survey sequence.//1.5e-05:223:65//B78859  
 F-HEMBA1001463//cSRL-69d1-u cSRL flow sorted Chromosome 11 specific cosmid Homo sapiens genomic clone cSRL-69d1, genomic survey sequence.//5.1e-66:564:77//B05652  
 F-HEMBA1001476//Homo sapiens mRNA for KIAA0572 protein, partial cds.//1.9e-102:489:99//AB011144  
 F-HEMBA1001478//HS\_2228\_A2\_B03\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2228 Col=6 Row=C, genomic survey sequence.//4.5e-40:275:88//AQ032041  
 F-HEMBA1001497//Human DNA sequence from clone 281H8 on chromosome 6q25.1-25.3. Contains up to four novel genes, one with similarity to KIAA0323 and worm C30F12.1 and another with Ubiquitin-Like protein gene SMT3 (the latter in an intron of a novel gene). Contains ESTs, STSs, GSSs, a putative CpG island and genomic marker D6S1553, complete sequence.//7.7e-47:311:85//AL031133  
 F-HEMBA1001510//Human HLA class III region containing cAMP response element binding protein-related protein (CREB-RP) and tenascin X (tenascin-X) genes, complete cds, complete sequence.//2.0e-130:699:93//U89337  
 F-HEMBA1001515//Homo sapiens chromosome 19, cosmid F24866, complete sequence.//4.1e-114:711:85//AC005794  
 F-HEMBA1001517//Homo sapiens BAC clone RG459N13 from 7p15, complete sequence.//5.7e-162:769:98//AC004549  
 F-HEMBA1001522//Caenorhabditis elegans cosmid ZK328.//8.6e-17:498:61//U50193  
 F-HEMBA1001526//Human DNA sequence from cosmid 444G9 from a contig from the tip of the short arm of chromosome 16, spanning 2Mb of 16p13.3 Contains ESTs and CpG islands.//0.31:120:69//Z98258

F-HEMBA1001533  
 F-HEMBA1001557//Chionoecetes opilio (clone COP41) DNA microsatellite repeat regions.//7.0e-25:303:72//L49136  
 5 F-HEMBA1001566//Homo sapiens DNA sequence from PAC 127D3 on chromosome 1q23-25. Contains FMO2 and FMO3 genes for Flavin-containing Monooxygenase 2 and Flavin-containing Monooxygenase 3 (Dimethyl-aniline Monooxygenase (N-Oxide 3, EC1.14.13.8, Dimethylaniline Oxidase 3, FMO II, FMO 3), and a gene for another, unknown, Flavin-containing Monooxygenase family protein. Contains ESTs and GSSs, complete sequence.//7.2e-18:805:60//AL021026  
 10 F-HEMBA1001569//Homo sapiens mRNA for vesicle associated membrane protein 2 (VAMP2).//1.1e-64:338:95//AJ225044  
 F-HEMBA1001570//Homo sapiens PAC clone DJ0844F09 from 7p12-p13, complete sequence.//2.1e-148:698:99//AC004453  
 F-HEMBA1001579//Homo sapiens mRNA for NS1-binding protein (NS1-BP).//2.2e-173:678:99//AJ012449  
 F-HEMBA1001581//Homo sapiens clone DJ1158B01, WORKING DRAFT SEQUENCE, 23 unordered pieces.//0.30:484:59//AC004980  
 15 F-HEMBA1001585  
 F-HEMBA1001589//Human BAC clone RG317G18 from 7q31, complete sequence.//0.98:197:63//AC002432  
 F-HEMBA1001595//Human mRNA for KIAA0128 gene, partial cds.//8.2e-109:855:78//D50918  
 F-HEMBA1001608//RPCI11-72E2.TJ RPCI11 Homo sapiens genomic clone R-72E2, genomic survey sequence.//3.8e-05:235:64//AQ267131  
 20 F-HEMBA1001620//Oryza sativa RINO1 mRNA for myo-inositol phosphate synthase, complete cds.//3.8e-40:719:64//AB012107  
 F-HEMBA1001635//HS\_3208\_A1\_D07\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3208 Col=13 Row=G, genomic survey sequence.//1.4e-15:120:90//AQ176944  
 25 F-HEMBA1001636//Homo sapiens 12q24 PAC RPCI1-66E7 (Roswell Park Cancer Institute Human PAC library) complete sequence.//0.15:221:64//AC004216  
 F-HEMBA1001640//HS\_3253\_B2\_D03\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3253 Col=6 Row=H, genomic survey sequence.//9.1e-52:278:95//AQ216058  
 F-HEMBA1001647//H.sapiens gene for plectin.//0.00052:629:61//Z54367  
 30 F-HEMBA1001651//Salmo salar DNA for a cryptic repeat.//7.9e-08:270:64//AJ012206  
 F-HEMBA1001655//Homo sapiens chromosome 5, BAC clone 194j18 (LBNL H158), complete sequence.//5.9e-164:802:97//AC005368  
 F-HEMBA1001658//M.musculus COL3A1 gene for collagen alpha-I.//2.4e-30:742:62//X52046  
 F-HEMBA1001661//Homo sapiens chromosome 5p, BAC clone 50g21 (LBNL H154), complete sequence.//2.2e-144:682:99//AC005740  
 35 F-HEMBA1001672//Homo sapiens methyl-CpG binding protein MBD3 (MBD3) mRNA, complete cds.//6.1e-152:725:98//AF072247  
 F-HEMBA1001675//RPCI11-54F8.TV RPCI11 Homo sapiens genomic clone R-54F8, genomic survey sequence.//5.3e-75:341:85//AQ082126  
 40 F-HEMBA1001678//Homo sapiens Xp22 PAC RPCI1-167A22 (from Roswell Park Cancer Center) complete sequence.//8.4e-54:551:74//AC002349  
 F-HEMBA1001681  
 F-HEMBA1001702//Plasmodium falciparum chromosome 2, section 35 of 73 of the complete sequence.//0.94:676:54//AE001398  
 45 F-HEMBA1001709//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 702J19, WORKING DRAFT SEQUENCE.//0.74:659:58//AL033531  
 F-HEMBA1001711//Lysiphlebus melandriicola NADH dehydrogenase 1 gene, mitochondrial gene encoding mitochondrial protein, partial cds.//3.0e-07:413:60//AF069178  
 F-HEMBA1001712//Homo sapiens BAC clone RG041H04 from 7q21-q22, complete sequence.//0.091:315:61//AC004519  
 50 F-HEMBA1001714//Rattus norvegicus mitochondrial ATPase inhibitor gene, complete cds.//1.6e-28:218:75//U12250  
 F-HEMBA1001718//HS\_3056\_A2\_H08\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3056 Col=16 Row=O, genomic survey sequence.//2.0e-79:383:99//AQ106367  
 55 F-HEMBA1001723//HS\_2188\_A2\_D02\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2188 Col=4 Row=G, genomic survey sequence.//3.8e-28:174:94//AQ116793  
 F-HEMBA1001731//HS\_3021\_A1\_A11\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3021 Col=21 Row=A, genomic survey sequence.//2.5e-11:420:62//AQ154658

# EP 1 074 617 A2

F-HEMBA1001734//Homo sapiens chromosome Y, clone 264,M,20, complete sequence.//0.00060:392:60//AC004617

F-HEMBA1001744//HS\_3194\_A1\_D05\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3194 Col=9 Row=G, genomic survey sequence.//5.8e-29:163:97//AQ252295

5 F-HEMBA1001745//Homo sapiens chromosome 9q34, clone 280C11, complete sequence.//0.66:627:59//AC002102

F-HEMBA1001746//HS\_2163\_B1\_F04\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2163 Col=7 Row=L, genomic survey sequence.//1.4e-16:238:70//AQ085995

F-HEMBA1001761//Genomic sequence from Mouse 9, complete sequence.//3.5e-52:198:86//AC002109

10 F-HEMBA1001781

F-HEMBA1001784//Genomic sequence from Human 9q34, WORKING DRAFT SEQUENCE, 2 unordered-pieces.//5.5e-13:296:65//AC002099

F-HEMBA1001791//Homo sapiens DNA from chromosome 19-cosmids R31158, R31874, and R28125, genomic sequence, complete sequence.//0.18:534:59//AF038458

15 F-HEMBA1001800//CrT-HFP-2049N5.TF CIT-HSP Homo sapiens genomic clone 2049N5, genomic survey sequence.//2.2e-40:335:80//AQ009222

F-HEMBA1001803//M.musculus (Ba1b/C) P/L01 mRNA.//1.7e-25:286:74//Z31360

F-HEMBA1001804//Mouse interleukin 2 receptor (p55 IL-2R) mRNA, 5' end.//1.9e-58:358:89//M21977

F-HEMBA1001808//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0500.//7.8e-174:809:98//AB007969

20 F-HEMBA1001809//Bovine herpesvirus 1 complete genome.//9.0e-09:639:57//AJ004801

F-HEMBA1001815

F-HEMBA1001819//HS\_3079\_B1\_E04\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3079 Col=7 Row=J, genomic survey sequence.//1.4e-79:396:97//AQ186616

25 F-HEMBA1001820//Homo sapiens BAC clone GS165L15 from 7p15, complete sequence.//0.00026:436:60//AC005013

F-HEMBA1001822//Homo sapiens intersectin short form mRNA, complete cds.//1.2e-40:510:65//AF064243

F-HEMBA1001824//Homo sapiens expanded SCA7 CAG repeat.//6.1e-20:344:68//AF020275

F-HEMBA1001835//Homo sapiens BAC clone RG017K18 from 7q31, complete sequence.//0.0094:553:58//AC005161

30 F-HEMBA1001844//Homo sapiens chromosome Xp22-135-136 clone GSHB-56711, WORKING DRAFT SEQUENCE, 35 unordered pieces.//1.2e-22:316:70//AC005867

F-HEMBA1001847//M.musculus Zfp-29 gene for zinc finger protein.//5.3e-27:397:69//X55126

F-HEMBA1001861//Homo sapiens mRNA for KIAA0617 protein, complete cds.//8.8e-184:865:98//AB014517

35 F-HEMBA1001864//Arabidopsis thaliana chromosome II BAC F17H15 genomic sequence, complete sequence.//0.38:337:62//AC005395

F-HEMBA1001866//Caenorhabditis elegans cosmid F48E3.//1.4e-10:224:63//U28735

F-HEMBA1001869//Homo sapiens BAC clone RG114B19 from 7q31.1, complete sequence.//6.7e-98:288:91//AC005065

40 F-HEMBA1001888//Human Chromosome 11p15.5 PAC clone pDJ915f1 containing KvLQT1 gene, complete sequence.//4.9e-114:476:84//AC003693

F-HEMBA1001896//Bos taurus pyruvate dehydrogenase phosphatase regulatory subunit precursor, mRNA, complete cds.//2.2e-137:839:86//AF026954

F-HEMBA1001910//Homo sapiens Chromosome 2p13 BAC Clone h173, complete sequence.//0.90:221:63//AC003065

45 F-HEMBA1001912//HS\_2237\_A1\_C10\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2237 Col=19 Row=E, genomic survey sequence.//9.7e-76:364:100//AQ033732

F-HEMBA1001913//Leishmania major chromosome 3 clone L4625 strain Friedlin, WORKING DRAFT SEQUENCE, 6 unordered pieces.//0.00063:219:65//AC005766

50 F-HEMBA1001915//Homo sapiens genomic DNA of 9q32 anti-oncogene of flat epitherium cancer, segment 5/10.//0.00011:366:63//AB020873

F-HEMBA1001918//Pneumocystis carinii gene for major surface glycoprotein MSG105, exon1-2, complete cds.//0.00024:562:58//D82031

F-HEMBA1001921//Homo sapiens germinal center kinase related protein kinase mRNA, complete cds.//2.1e-184:855:99//AF000145

55 F-HEMBA1001939//Human DNA sequence from clone 395P12 on chromosome 1q24-25. Contains the TXGP1 gene for tax-transcriptionally activated glycoprotein 1 (34kD) (OX40 ligand, OX40L) and a GOT2 (Aspartate Amino transferase, mitochondrial precursor, EC 2.6.1.1, Transaminase A, Glutamate Oxaloacetate Transaminase-2)

- pseudogene. Contains ESTs, STSs and GSSs, complete sequence.//1.1e-42:380:80//AL022310  
 F-HEMBA1001940//Homo sapiens clone DJ1093I16, WORKING DRAFT SEQUENCE, 5 unordered pieces.//7.5e-175:861:97//AC005629  
 F-HEMBA1001942//Homo sapiens chromosome 12p13.3 clone RPC11-96H9, WORKING DRAFT SEQUENCE, 66 unordered pieces.//0.097:107:71//AC006057  
 F-HEMBA1001945//Drosophila F family transposable element F12 3' region.//0.94:140:65//X01934  
 F-HEMBA1001950//H.sapiens CpG island DNA genomic Mse1 fragment, clone 15b5, forward read cpg15b5.ft1q.//1.4e-27:168:95//Z54728  
 F-HEMBA1001960//Locusta migratoria mRNA for nAChR alpha1 subunit.//0.010:108:71//AJ000390  
 F-HEMBA1001962//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-628 genomic sequence, WORKING DRAFT SEQUENCE, 9 unordered pieces.//9.7e-05:494:60//AC005507  
 F-HEMBA1001964  
 F-HEMBA1001967//Human DNA sequence from clone 341E18 on chromosome 6p11.2-12.3. Contains a Serine/Threonine Protein Kinase gene (presumptive isolog of a Rat gene) and a novel alternatively spliced gene. Contains a putative CpG island, ESTs and GSSs, complete sequence.//9.6e-122:373:99//AL031178  
 F-HEMBA1001979//HS\_3067\_B1\_A06\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3067 Col=11 Row=B, genomic survey sequence.//0.43:193:64//AQ143506  
 F-HEMBA1001987//Plasmodium falciparum MAL3P6, complete sequence.//1.0:428:56//Z98551  
 F-HEMBA1001991//HS\_2237\_A2\_G09\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2237 Col=18 Row=M, genomic survey sequence.//4.3e-05:240:64//AQ067283  
 F-HEMBA1002003//protein phosphatase 2C isoform [rats, liver, mRNA, 1950 nt].//2.7e-33:364:74//S90449  
 F-HEMBA1002008//WORKING DRAFT SEQUENCE, 3 unordered pieces.//0.00032:214:68//AC005948  
 F-HEMBA1002018  
 F-HEMBA10020227//Human p37NB mRNA, complete cds.//0.014:58:96//U32907  
 F-HEMBA1002035//Mouse transcriptional control element.//7.8e-07:200:69//M17284  
 F-HEMBA1002039//Human DNA sequence from clone 267M20 on chromosome Xq22.2-22.3. Contains part of the DIAPH2 gene and a pseudogene, ESTs, STSs and GSSs, complete sequence.//0.31:497:58//AL031053  
 F-HEMBA1002049//Homo sapiens chromosome 5, BAC clone 282B7 (LBNL H192), complete sequence.//4.5e-42:532:63//AC005216  
 F-HEMBA1002084//Homo sapiens chromosome 19 cosmid F15386, genomic sequence, complete sequence.//0.81:435:59//AF025422  
 F-HEMBA1002092//Mus musculus Olf-1/EBF-like-3 transcription factor (O/E-3) mRNA, complete cds.//7.2e-130:769:87//U92703  
 F-HEMBA1002100//Homo sapiens PAC clone DJ0991G20, complete sequence.//1.3e-47:124:96//AC004943  
 F-HEMBA1002102//Xenopus laevis mRNA for xSox7 protein, complete cds.//2.7e-13:132:71//D83649  
 F-HEMBA1002113//F.rubripes GSS sequence, clone 063K10bB4, genomic survey sequence.//0.029:142:66//Z88840  
 F-HEMBA1002119//Human Chromosome 11 pac pDJ1173a5, complete sequence.//1.3e-14:515:62//AC000378  
 F-HEMBA1002125//Homo sapiens calcium-activated potassium channel (KCNN3) mRNA, complete cds.//0.98:222:61//AF031815  
 F-HEMBA1002139//Caenorhabditis elegans cosmid F55C9, complete sequence.//0.0081:371:60//Z81549  
 F-HEMBA1002144//Saccharomyces cerevisiae mitochondrion transfer RNA-Met (tRNA-Met) gene, oxil gene, and ORF1.//4.9e-06:341:61//L36888  
 F-HEMBA1002150//Homo sapiens mRNA for KIAA0720 protein, partial cds.//0.00017:353:62//AB018263  
 F-HEMBA1002151  
 F-HEMBA1002153//CITBI-E1-2519120.TR CITBI-E1 Homo sapiens genomic clone 2519120, genomic survey sequence.//8.5e-61:334:94//AQ277613  
 F-HEMBA1002160//Homo sapiens clone DJ1189D06, complete sequence.//8.5e-44:385:77//AC005232  
 F-HEMBA1002161//Coturnix coturnix slow myosin heavy chain 2 (qmyhc2) mRNA, partial cds.//2.1e-59:571:74//AF006829  
 F-HEMBA1002162//Homo sapiens Xp22-150 BAC GSHB-309P15 (Genome Systems Human BAC Library) complete sequence.//5.3e-53:698:67//AC006210  
 F-HEMBA1002166//Human DNA sequence from PAC 84F12 on chromosome Xq25-Xq26.3. Contains glypican-3 precursor (intestinal protein OCI-5) (GTR2-2), ESTs and CA repeat.//1.2e-50:319:78//AL008712  
 F-HEMBA1002177//Homo sapiens BAC clone RG293F11 from 7q21-7q22, complete sequence.//2.5e-18:150:88//AC000066  
 F-HEMBA1002185//Homo sapiens clone DJ0292L20, WORKING DRAFT SEQUENCE, 2 unordered pieces.//0.00066:466:59//AC004825

# EP 1 074 617 A2

- F-HEMBA1002189//Homo sapiens clone GS166C05, WORKING DRAFT SEQUENCE, 7 unordered pieces//3.3e-23:176:77//AC005015
- F-HEMBA1002191//Homo sapiens mRNA for KIAA0689 protein, partial cds//1.0:382:59//AB014589
- 5 F-HEMBA1002199//Homo sapiens chromosome 4 clone B55B24 map 4q25, complete sequence//1.8e-20:368:66//AC005150
- F-HEMBA1002204//HS\_2055\_A1\_H09\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2055 Col=17 Row=O, genomic survey sequence//1.2e-06:178:65//AQ235350
- F-HEMBA1002212//S.cerevisiae chromosome IV reading frame ORF YDL101c//0.035:345:60//Z74149
- F-HEMBA1002215//M.musculus mRNA for testin//4.6e-80:504:87//X78989
- 10 F-HEMBA1002226//Homo sapiens Xp22 bins 87-93 PAC RPC11-122K4 (Roswell Park Cancer Institute Human PAC Library) complete sequence//5.7e-63:336:74//AC003035
- F-HEMBA1002229//Homo sapiens BAC clone NH0539B24 from 7p15.1-p14, complete sequence//2.6e-39:311:81//AC006044
- F-HEMBA1002237//Homo sapiens PAC clone DJ0696N01 from 7p21-p22, complete sequence//1.6e-12:397:64//AC004861
- 15 F-HEMBA1002241
- F-HEMBA1002253
- F-HEMBA1002257//Homo sapiens diacylglycerol kinase iota (DGKi) mRNA, complete cds//3.5e-151:731:97//AF061936
- 20 F-HEMBA1002265//Human DNA sequence from cosmid N28H9 on chromosome 22q11.2-qter contains ESTs, STS and endogenous retrovirus//1.3e-09:313:62//Z71183
- F-HEMBA1002267
- F-HEMBA1002270//Homo sapiens Xp22-150 BAC GSHB-309P15 (Genome Systems Human BAC Library) complete sequence//0.069:495:58//AC006210
- 25 F-HEMBA1002321//Homo sapiens PAC clone DJ0991O23, complete sequence//0.019:564:58//AC004944
- F-HEMBA1002328//CIT-HSP-2387N15.TF.1 CIT-HSP Homo sapiens genomic clone 2387N15, genomic survey sequence//1.8e-71:346:99//AQ240836
- F-HEMBA1002337//Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MYN8, complete sequence//0.84:547:57//AB020754
- 30 F-HEMBA1002341//Homo sapiens mRNA for KIAA0771 protein, partial cds//2.4e-185:872:98//AB018314
- F-HEMBA1002348//CIT-HSP-2372K24.TR CIT-HSP Homo sapiens genomic clone 2372K24, genomic survey sequence//9.1e-33:230:75//AQ110676
- F-HEMBA1002349//Plasmodium falciparum histidine-rich protein II (HRP II) gene, complete cds//9.4e-06:504:57//U69551
- 35 F-HEMBA1002363//Homo sapiens chromosome-associated protein-E (hCAP-E) mRNA, complete cds//7.3e-188:872:99//AF092563
- F-HEMBA1002381//Homo sapiens genomic DNA of 8p21.3-p22 anti-oncogene of hepatocellular colorectal and non-small cell lung cancer, segment 11/11//2.1e-20:262:72//AB020868
- F-HEMBA1002389//D.discoideum spore coat 60 (sp60) gene, 5' flank//0.010:95:73//M34546
- 40 F-HEMBA1002417//Canis familiaris ZO-3 (zo-3) mRNA, complete cds//6.2e-120:767:85//AF023617
- F-HEMBA1002419//HS-1047-A1-F01-MF.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 830 Col=1 Row=K, genomic survey sequence//7.6e-06:111:76//B38165
- F-HEMBA1002430//HS\_3137\_B2\_F10\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3137 Col=20 Row=L, genomic survey sequence//1.6e-56:367:88//AQ148697
- 45 F-HEMBA1002439//Dictyostelium discoideum actin 8 gene, 3' UTR//0.67:129:64//M25216
- F-HEMBA1002458//Mus musculus REX-3 mRNA, complete cds//1.1e-30:274:72//AF051347
- F-HEMBA1002460//Homo sapiens clone DJ1137M13, complete sequence//4.0e-173:822:98//AC005378
- F-HEMBA1002462//Sequence 41 from patent US 5708157//9.8e-51:519:73//I80067
- F-HEMBA1002469//Human mRNA for KIAA0122 gene, partial cds//4.0e-108:603:92//D50912
- 50 F-HEMBA1002475//Streptomyces coelicolor cosmid 2H4//0.0068:626:57//AL031514
- F-HEMBA1002477//Homo sapiens BAC clone NH0342K06 from 2, complete sequence//1.5e-40:349:78//AC005034
- F-HEMBA1002486
- 55 F-HEMBA1002495//HS\_3218\_B1\_A12\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3218 Col=23 Row=B, genomic survey sequence//1.0:179:67//AQ181410
- F-HEMBA1002498//Homo sapiens full-length insert cDNA clone ZD76B01//1.4e-129:619:98//AF086404
- F-HEMBA1002503//Homo sapiens clone DJ0742P04, WORKING DRAFT SEQUENCE, 6 unordered pieces//1.9e-24:306:68//AC004873

F-HEMBA1002508//Homo sapiens chromosome 19, cosmid R33516, complete sequence.//2.9e-76:464:83//AC004799  
 F-HEMBA1002513//Homo sapiens mRNA for histone deacetylase-like protein (JM21).//2.8e-157:738:98//AJ011972  
 5 F-HEMBA1002515//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 407F11, WORKING DRAFT SEQUENCE.//2.6e-07:307:64//AL022329  
 F-HEMBA1002538//HS\_2185\_B2\_B04\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2185 Col=8 Row=D, genomic survey sequence.//4.7e-37:339:78//AQ298315  
 F-HEMBA1002542//HS\_3197\_B2\_B10\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3197 Col=20 Row=D, genomic survey sequence.//3.2e-70:372:95//AQ188792  
 10 F-HEMBA1002547//Homo sapiens agrin precursor mRNA, partial cds.//3.5e-137:655:98//AF016903  
 F-HEMBA1002552//Human Hep27 protein mRNA, complete cds.//8.8e-07:173:68//U31875  
 F-HEMBA1002555//\*\*\* SEQUENCING IN PROGRESS \*\*\* Homo sapiens chromosome 4, BAC clone C0190L06; HTGS phase 1, WORKING DRAFT SEQUENCE, 21 unordered pieces.//2.2e-15:628:60//AC004670  
 15 F-HEMBA1002558//Human Xp22 BAC CT-285I15 (from CalTech/Research Genetics), PAC RPCI1-27C22 (from Roswell Park Cancer Center), and Cosmid U35B5 (from Lawrence Livermore), complete sequence.//2.3e-41:353:76//AC002366  
 F-HEMBA1002561//Homo sapiens chromosome 17, clone HRPC29G21, complete sequence.//1.1e-39:538:66//AC003687  
 20 F-HEMBA1002569//Homo sapiens protein associated with Myc mRNA, complete cds.//1.3e-140:457:99//AF075587  
 F-HEMBA1002583//CIT-HSP-2321D3.TR CIT-HSP Homo sapiens genomic clone 2321D3, genomic survey sequence.//5.1e-79:385:99//AQ038102  
 F-HEMBA1002590//Homo sapiens chromosome 17, clone hRPK.167\_N\_20, complete sequence.//1.9e-35:430:70//AC005940  
 25 F-HEMBA1002592//Human genomic DNA sequence from clone 308O1 on chromosome Xp11.3-11.4. Contains EST, CA repeat, STS, GSS, CpG island.//4Ae-19:303:71//Z93403  
 F-HEMBA1002609//Homo sapiens mRNA for KIAA0597 protein, partial cds.//4.4e-175:820:99//AB011169  
 F-HEMBA1002621//Homo sapiens PAC clone DJ0650P09 from 7q21, complete sequence.//0.14:353:58//AC004413  
 30 F-HEMBA1002624//Homo sapiens mRNA for KIAA0808 protein, complete cds.//2.9e-187:632:97//AB018351  
 F-HEMBA1002628//Plasmodium falciparum 3D7 chromosome 12 PFYAC812 genomic sequence, WORKING DRAFT SEQUENCE, 8 unordered pieces.//1.5e-05:792:58//AC004153  
 F-HEMBA1002629//Streptomyces coelicolor cosmid 1A9.//8.4e-08:576:58//AL034446  
 35 F-HEMBA1002645//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 153G14, WORKING DRAFT SEQUENCE.//5.6e-47:222:86//AL031118  
 F-HEMBA1002651//Homo sapiens PAC clone DJ0593H12 from 7p31, complete sequence.//3.8e-182:859:99//AC004839  
 F-HEMBA1002659//Z.mobilis alcohol dehydrogenase I (adhA) gene, complete cds.//0.97:144:66//M32100  
 40 F-HEMBA1002661//Homo sapiens PAC clone DJ0698G21 from 7p21-p22, complete sequence.//1.3e-116:774:84//AC004535  
 F-HEMBA1002666  
 F-HEMBA1002678//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1137F22, WORKING DRAFT SEQUENCE.//5.7e-156:750:98//AL034421  
 45 F-HEMBA1002679//nbxb0002cC12r CUGI Rice BAC Library Oryza sativa genomic clone nbxb0002F23r, genomic survey sequence.//4.3e-09:517:58//AQ051621  
 F-HEMBA1002688//Herpes simplex virus type 2 (strain HG52), complete genome.//8.3e-20:651:61//Z86099  
 F-HEMBA1002696//Mus musculus proteasome regulator PA28 beta subunit gene, complete cds.//7.6e-62:306:81//AF060195  
 50 F-HEMBA1002703//Homo sapiens mRNA for KIAA0455 protein, complete cds.//1.9e-10:327:62//AB007924  
 F-HEMBA1002712  
 F-HEMBA1002716//HS\_3064\_A1\_C10\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3064 Col=19 Row=E, genomic survey sequence.//8.4e-97:491:96//AQ142980  
 F-HEMBA1002728//Homo sapiens chromosome 5, BAC clone 205e20 (LBNL H170), complete sequence.//6.1e-21:217:77//AC004782  
 55 F-HEMBA1002730//Human platelet glycoprotein IIIa (GPIIIa) gene, exon 1.//0.57:125:67//M57481  
 F-HEMBA1002742//RPCI11-39J10.TP RPCI-11 Homo sapiens genomic clone RPCI-11-39J10, genomic survey sequence.//1.1e-86:414:99//AQ029102

# EP 1 074 617 A2

F-HEMBA1002746//Mus musculus chromosome 19, clone CIT282B21, complete sequence.//7.1e-70:303:82//AC003694

F-HEMBA1002748//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 410I8, WORKING DRAFT SEQUENCE.//0.096:212:62//AL031732

5 F-HEMBA1002750//Homo sapiens chromosome 5, PAC clone 170m10 (LBNL H89), complete sequence.//6.7e-40:232:70//AC004622

F-HEMBA1002768//Homo sapiens mRNA for KIAA0554 protein, partial cds.//9.0e-177:834:98//AB011126

F-HEMBA1002770//cDNA encoding novel rat protein TIP120 which is formed of complex with TBP (TATA binding protein).//1.3e-140:840:88//E12829

10 F-HEMBA1002777//F.rubripes GSS sequence, clone 189C06dB12, genomic survey sequence.//1.1e-28:263:77//AL007965

F-HEMBA1002779//CIT-HSP-2333I1.TF CIT-HSP Homo sapiens genomic clone 2333I1, genomic survey sequence.//1.8e-32:180:98//AQ036891

F-HEMBA1002780//Homo sapiens PAC clone DJ0244J05 from 5q31, complete sequence.//7.0e-06:199:67//AC004592

15 F-HEMBA1002794//H.sapiens mRNA for protein kinase C mu.//0.00015:244:67//X75756

F-HEMBA1002801//Plasmodium falciparum MAL3P2, complete sequence.//0.0010:534:57//AL034558

F-HEMBA1002810//Homo sapiens formin binding protein 21 mRNA, complete cds.//1.1e-167:820:97//AF071185

F-HEMBA1002816//Homo sapiens clone NH0576N21, WORKING DRAFT SEQUENCE, 5 unordered pieces.//3.1e-113:254:90//AC005043

20 F-HEMBA1002818//Cricetulus griseus H411 precursor (H411) mRNA, complete cds.//1.2e-122:760:86//AF046870

F-HEMBA1002826//Human DNA sequence from clone 23K20 on chromosome Xq25-26.2 Contains EST, STS, GSS, complete sequence.//0.0055:235:65//AL022153

F-HEMBA1002833//Homo sapiens chromosome 17, clone hRPC.117\_B\_12, complete sequence.//1.4e-170:744:99//AC004707

25 F-HEMBA1002850//Ephedrus persicae NADH dehydrogenase 1 gene, mitochondrial gene encoding mitochondrial protein, partial cds.//1.3e-05:334:59//AF069186

F-HEMBA1002863//CIT-HSP-2323A16.TF CIT-HSP Homo sapiens genomic clone 2323A16, genomic survey sequence.//2.9e-140:750:93//AQ028419

30 F-HEMBA1002876//HS\_2270\_B1\_H03\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2270 Col=5 Row=P, genomic survey sequence.//0.44:163:64//AQ164031

F-HEMBA1002886

F-HEMBA1002896//Homo sapiens chromosome 5, P1 clone 793C5 (LBNL H58), complete sequence.//0.00015:277:61//AC005195

35 F-HEMBA1002921

F-HEMBA1002924//CIT-HSP-2171H4.TR CIT-HSP Homo sapiens genomic clone 2171H4, genomic survey sequence.//0.0016:175:66//B89715

F-HEMBA1002934//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 862K6, WORKING DRAFT SEQUENCE.//1.2e-169:797:98//AL031681

40 F-HEMBA1002935//Homo sapiens mRNA for KIAA0576 protein, partial cds.//4.9e-173:803:99//AB011148

F-HEMBA1002937//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 702J19, WORKING DRAFT SEQUENCE.//1.2e-163:411:99//AL033531

F-HEMBA1002939//RPCI11-74O14.TJ RPCI11 Homo sapiens genomic clone R-74O14, genomic survey sequence.//1.7e-41:215:99//AQ266676

45 F-HEMBA1002944//RPCI11-55C2.TV RPCI11 Homo sapiens genomic clone R-55C2, genomic survey sequence.//1.7e-37:375:74//AQ082240

F-HEMBA1002951//Homo sapiens chromosome 19, cosmid F20887, complete sequence.//0.00074:683:58//AC005578

F-HEMBA1002954//RPCI11-79F7.TV RPCI11 Homo sapiens genomic clone R-79F7, genomic survey sequence.//6.1e-24:250:78//AQ284146

50 F-HEMBA1002968//HS\_2262\_B2\_G04\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2262 Col=8 Row=N, genomic survey sequence.//0.99:270:60//AQ217059

F-HEMBA1002970//RPCI11-5L24.TV RPCI11 Homo sapiens genomic clone RPCI11-5L24, genomic survey sequence.//1.4e-10:189:71//B49289

55 F-HEMBA1002971//CIT-HSP-2363L16.TF CIT-HSP Homo sapiens genomic clone 2363L16, genomic survey sequence.//4.3e-21:181:80//AQ080538

F-HEMBA1002973//Rattus norvegicus Wistar 3',5'-cyclic AMP phosphodiesterase (PDE4-10) gene, exon 10.//2.5e-40:257:89//U01290



- F-HEMBA1002997//CIT-HSP-2387H15.TF.1 CIT-HSP Homo sapiens genomic clone 2387H15, genomic survey sequence.//9.5e-17:128:92//AQ240797
- F-HEMBA1002999//Rattus norvegicus lamina associated polypeptide 1C (LAP1C) mRNA, complete cds.//3.1e-62:713:73//U20286
- 5 F-HEMBA1003021//Homo sapiens clone DJ0847008, WORKING DRAFT SEQUENCE, 3 unordered pieces.//7.5e-50:331:85//AC005484
- F-HEMBA1003033//Drosophila melanogaster, chromosome 3L, region 62A10-62B5, P1 clones DS02777, DS03222, DS02345, and DS04808, complete sequence.//2.6e-20:357:66//AC005557
- 10 F-HEMBA1003034//Human DNA sequence from 4PTCL, Huntington's Disease Region, chromosome 4p16.3.//4.5e-60:415:73//Z95704
- F-HEMBA1003035//Homo sapiens chromosome Y, clone 264,M,20, complete sequence.//2.3e-05:591:57//AC004617
- F-HEMBA1003037//RPCI11-88F2.TJ RPCI11 Homo sapiens genomic clone R-88F2, genomic survey sequence.//0.68:230:60//AQ286677
- 15 F-HEMBA1003041//Homo sapiens PAC clone DJ1163J12 from 7q21.2-q31.1, complete sequence.//8.1e-128:550:94//AC004983
- F-HEMBA1003046//Homo sapiens mitochondrial processing peptidase beta-subunit mRNA, complete cds.//1.0e-164:777:98//AF054182
- 20 F-HEMBA1003064//Plasmodium falciparum 3D7 chromosome 12 PFYAC181 genomic sequence, WORKING DRAFT SEQUENCE, 8 unordered pieces.//1.5e-07:744:59//AC005505
- F-HEMBA1003067//Rat dynorphin gene, exon 3.//1.0:140:63//M32783
- F-HEMBA1003071//Homo sapiens alpha2-C4-adrenergic receptor gene, complete cds.//1.5e-20:595:65//U72648
- F-HEMBA1003077//CIT-HSP-2366J21.TF CIT-HSP Homo sapiens genomic clone 2366J21, genomic survey sequence.//4.4e-33:176:99//AQ080257
- 25 F-HEMBA1003078//Homo sapiens DNA sequence from PAC 262D12 on chromosome 1q23.3-24.3. Contains a Tenascin (Hexabrachion, Cytotactin, Neuronectin, Myotendinous antigen)-LIKE gene and a mitochondrial/chloroplast 30S ribosomal protein S14-LIKE gene preceded by a CpG island. Contains ESTs, genomic marker D1S2691 and STSs.//9.4e-43:478:70//Z99297
- 30 F-HEMBA1003079//Homo sapiens Xp22-132-134 BAC GSHB-590J15 (Genome Systems Human BAC library) complete sequence.//0.96:57:85//AC004673
- F-HEMBA1003083//Homo sapiens PAC clone DJ1182N03 from 7q11.23-q21.1, complete sequence.//8.0e-74:359:81//AC004548
- F-HEMBA1003086//Homo sapiens chromosome 16 BAC clone CIT987SK-334D11 complete sequence.//3.6e-11:734:58//AF001550
- 35 F-HEMBA1003096//Sequence 4 from patent US 5440017.//5.7e-56:594:71//I13750
- F-HEMBA1003098//Human DNA sequence from cosmid SRL11M20, chromosome region 11p13. Contains EST and STS.//1.9e-09:230:69//Z83308
- F-HEMBA1003117//Mouse TIS11 primary response gene, complete cds.//0.00054:480:60//M58564
- 40 F-HEMBA1003129//HS\_3139\_B2\_F05\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3139 Col=10 Row=L, genomic survey sequence.//2.3e-100:510:97//AQ187635
- F-HEMBA1003133//Mouse BAC CitbCJ7 219m7, genomic sequence, complete sequence.//1.3e-78:370:90//AC005259
- F-HEMBA1003136
- 45 F-HEMBA1003142//Homo sapiens full-length insert cDNA clone ZC39B06.//6.9e-121:563:100//AF086197
- F-HEMBA1003148//Homo sapiens mRNA for dachshund protein.//6.7e-183:850:99//AJ005670
- F-HEMBA1003166//Homo sapiens Chromosome 16 BAC clone CIT987-SKA-345G4 ~complete genomic sequence, complete sequence.//3.8e-27:229:76//AC002302
- F-HEMBA1003175//Homo sapiens genomic DNA for centromeric end of MHC class I region on chromosome 6, WORKING DRAFT SEQUENCE.//9.4e-09:837:58//AB000882
- 50 F-HEMBA1003179//Homo sapiens DNA sequence from Fosmid 27C3 on chromosome 22q11.2-qter. Contains two possibly alternatively spliced unknown genes, one with homology to a worm protein. Contains ESTs, complete sequence.//5.4e-115:174:98//AL022325
- F-HEMBA1003197//Arabidopsis thaliana chromosome II BAC F15K20 genomic sequence, complete sequence.//1.1e-05:473:59//AC005824
- 55 F-HEMBA1003199//Rattus norvegicus Sprague-Dawley thyroid hormone receptor alpha gene, exon 1.//1.6e-05:367:61//U09302
- F-HEMBA1003202//Homo sapiens BAC clone RG437L15 from 8q21, complete sequence.//9.0e-23:247:73//AC004003

- F-HEMBA1003204//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 409J21, WORKING DRAFT SEQUENCE.//4.7e-26:141:83//Z83824
- F-HEMBA1003212//Human Chromosome 11 Overlapping Cosmids cSRL72g7 and cSRL140b8, complete sequence.//1.9e-31:158:86//AC002037
- 5 F-HEMBA1003220//Homo sapiens chromosome 17, clone hRPC.971\_F\_3, WORKING DRAFT SEQUENCE, 1 ordered pieces.//3.4e-24:284:75//AC004150
- F-HEMBA1003222//RPC111-47P17.TJ RPC111 Homo sapiens genomic clone R-47P17, genomic survey sequence.//8.7e-39:202:99//AQ202885
- 10 F-HEMBA1003229//Arabidopsis thaliana genomic DNA, chromosome 3, P1 clone: MEB5, complete sequence.//0.86:227:62//AB019230
- F-HEMBA1003235//Plasmodium falciparum chromosome 2, section 10 of 73 of the complete sequence.//8.6e-05:372:61//AE001373
- F-HEMBA1003250//HS-1063-A1-H02-MR.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 796 Col=3 Row=O, genomic survey sequence.//0.00032:57:96//B46142
- 15 F-HEMBA1003257//H.sapiens mRNA for RDC-1 POU domain containing protein.//2.2e-08:531:59//X64624
- F-HEMBA1003273//H.sapiens flow-sorted chromosome 6 HindIII-fragment, SC6pA19H4.//0.070:267:64//Z78949
- F-HEMBA1003276//CIT-HSP-2301B4.TF CIT-HSP Homo sapiens genomic clone 2301B4, genomic survey sequence.//5.2e-08:295:63//AQ015073
- 20 F-HEMBA1003278//HS\_3075\_A1\_G09\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3075 Col=17 Row=M, genomic survey sequence.//0.98:399:58//AQ120599
- F-HEMBA1003281//High throughput sequencing of human chromosome 12, WORKING DRAFT SEQUENCE, 1 ordered pieces.//4.8e-101:277:97//AC005840
- F-HEMBA1003286//Homo sapiens chromosome 3q13 beta-1,4-galactosyltransferase mRNA, complete cds.//9.0e-145:539:97//AF038662
- 25 F-HEMBA1003291//Homo sapiens mRNA for KIAA0537 protein, complete cds.//5.0e-166:799:98//AB011109
- F-HEMBA1003296//CITBI-E1-2507M8.TR CITBI-E1 Homo sapiens genomic clone 2507M8, genomic survey sequence.//1.9e-05:388:63//AQ262551
- F-HEMBA1003304//Budworm mitochondrial partial transfer RNA-Met (tRNA-Met) gene, and partial 12S ribosomal RNA (12S rRNA) gene.//8.0e-05:388:62//L17343
- 30 F-HEMBA1003309//Crassostrea gigas clone CN20 microsatellite sequence.//0.0017:210:64//AF051177
- F-HEMBA1003314//Homo sapiens mRNA for leucine zipper bearing kinase, complete cds.//4.6e-188:865:99//AB001872
- F-HEMBA1003322//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 169I5, WORKING DRAFT SEQUENCE.//2.4e-54:316:87//Z93015
- 35 F-HEMBA1003327//CIT-HSP-2024C24.TRB CIT-HSP Homo sapiens genomic clone 2024C24, genomic survey sequence.//8.4e-12:166:76//B67147
- F-HEMBA1003328//HS\_2230\_B2\_H08\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2230 Col=16 Row=P, genomic survey sequence.//0.026:128:71//AQ153313
- F-HEMBA1003330//Homo sapiens wbscr1 (WBSCR1) and replication factor C subunit 2 (RFC2) genes, complete cds.//4.0e-160:745:99//AF045555
- 40 F-HEMBA1003348//HS\_3194\_A1\_G05\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3194 Col=9 Row=M, genomic survey sequence.//5.0e-79:381:99//AQ173779
- F-HEMBA1003369//H.vulgare GAA-satellite DNA.//0.12:89:71//Z50100
- F-HEMBA1003370//Homo sapiens cosmid 123E15, complete sequence.//3.5e-32:199:80//AF024533
- 45 F-HEMBA1003373//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 537K23, WORKING DRAFT SEQUENCE.//0.019:117:71//AL034405
- F-HEMBA1003376//Human clone HS4.66 Alu-Ya5 sequence.//4.2e-30:196:85//U67229
- F-HEMBA1003380//Homo sapiens DNA sequence from clone 394P21 on chromosome 1p36.12-36.13. Contains the PAX7 gene, locus D1S2644, ESTs and STSs, complete sequence.//4.6e-22:206:81//AL021528
- 50 F-HEMBA1003384//Homo sapiens clone GS096J14, WORKING DRAFT SEQUENCE, 3 unordered pieces.//0.00094:72:90//AC006026
- F-HEMBA1003395//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from MAL1P1, WORKING DRAFT SEQUENCE.//0.00041:826:57//AL031744
- F-HEMBA1003402//CIT-HSP-2339K16.TR CIT-HSP Homo sapiens genomic clone 2339K16, genomic survey sequence.//2.4e-05:265:64//AQ056234
- 55 F-HEMBA1003403//Homo sapiens chromosome 4 clone B353C18 map 4q25, complete sequence.//4.3e-135:780:90//AC004066
- F-HEMBA1003408

# EP 1 074 617 A2

F-HEMBA1003417//Human DNA sequence from clone 496N17 on chromosome 6p11.2-12.3 Contains EST, GSS, complete sequence//1.9e-41:239:95//AL031321

F-HEMBA1003418//Rattus norvegicus Wistar polymeric immunoglobulin receptor (PIGR) gene, 3'UTR and trinucleotide repeat microsatellites//2.2e-06:247:64//U08273

5 F-HEMBA1003433//Homo sapiens nibrin (NBS) mRNA, complete cds//1.4e-149:697:99//AF051334

F-HEMBA1003447//Homo sapiens chromosome 4 clone B353C18 map 4q25, complete sequence//1.7e-77:461:90//AC004066

F-HEMBA1003461//Rhodobacter sphaeroides FliH (fliH) gene, partial cds, F1il (fliI) and FliJ (fliJ) genes, complete cds//8.6e-08:752:58//U31090

10 F-HEMBA1003463//Homo sapiens chromosome 17, clone HCIT305D20, complete sequence//0.089:172:68//AC004098

F-HEMBA1003480//Homo sapiens clone NH0523H20, complete sequence//4.5e-150:562:97//AC005041

F-HEMBA1003528//Streptomyces fradiae gene for trypsinogen precursor, complete cds//4.7e-09:433:60//D16687

F-HEMBA1003531//Homo sapiens PAC clone DJ1185I07 from 7q11.23-q21, complete sequence//2.3e-48:297:90//AC004990

15 F-HEMBA1003538//Human complement C1r mRNA, complete cds//4.3e-22:474:63//M14058

F-HEMBA1003545//Rattus norvegicus (clone 1.6kB) islet-2 mRNA, complete cds//3.5e-143:805:91//L35571

F-HEMBA1003548

F-HEMBA1003555//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 447E6, WORKING DRAFT SEQUENCE//3.4e-58:331:83//AL031724

20 F-HEMBA1003556//Homo sapiens Xp22-175-176 BAC GSHB-484017 (Genome Systems Human BAC Library) complete sequence//6.0e-99:703:84//AC005913

F-HEMBA1003560//Bovine GTP-binding regulatory protein gamma-6 subunit mRNA, complete cds//1.3e-99:587:89//J05071

25 F-HEMBA1003568//HS\_3149\_A1\_C04\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3149 Col=7 Row=E, genomic survey sequence//4.1e-05:389:57//AQ166810

F-HEMBA1003569//Homo sapiens BAC clone NH0335J18 from 2, complete sequence//1.6e-102:669:85//AC005539

F-HEMBA1003571//Dictyostelium discoideum RegA (regA) gene, complete cds//0.00033:649:58//U60170

30 F-HEMBA1003579//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from MAL1P1, WORKING DRAFT SEQUENCE//0.00034:623:56//AL031744

F-HEMBA1003581//Mouse mRNA for talin//3.3e-41:181:86//X56123

F-HEMBA1003591//Homo sapiens chromosome 16, BAC clone RPCI-11\_192K18, complete sequence//4.4e-70:273:94//AC006075

35 F-HEMBA1003595//Plasmodium falciparum chromosome 2, section 32 of 73 of the complete sequence//6.0e-17:768:58//AE001395

F-HEMBA1003597//Plasmodium falciparum chromosome 2, section 35 of 73 of the complete sequence//4.0e-09:777:56//AE001398

F-HEMBA1003598//Homo sapiens PAC clone DJ0537P09 from 7p11.2-p12, complete sequence//1.3e-146:692:98//AC005153

40 F-HEMBA1003615//HS\_2010\_A2\_A07\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2010 Col=14 Row=A, genomic survey sequence//1.1e-22:137:97//AQ226592

F-HEMBA1003617//Homo sapiens HRIHFB2157 mRNA, partial cds//2.4e-169:501:97//AB015344

F-HEMBA1003621//Mus musculus PIAS3 mRNA, complete cds//4.7e-37:165:92//AF034080

45 F-HEMBA1003622//Plasmodium falciparum 3D7 chromosome 12 PFYAC336 genomic sequence, WORKING DRAFT SEQUENCE, 5 unordered pieces//0.0024:514:58//AC005139

F-HEMBA1003630//CIT-HSP-2168N15.TR CIT-HSP Homo sapiens genomic clone 2168N15, genomic survey sequence//6.5e-15:358:63//B92984

F-HEMBA1003637//Homo sapiens clone RG228D17, WORKING DRAFT SEQUENCE, 2 unordered pieces//5.0e-21:238:76//AC005077

50 F-HEMBA1003640//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 112K5, WORKING DRAFT SEQUENCE//2.3e-15:371:63//Z85987

F-HEMBA1003645//A.thaliana 81kb genomic sequence//1.0:529:57//X98130

F-HEMBA1003646

55 F-HEMBA1003656

F-HEMBA1003662//Homo sapiens chromosome 17, clone hRPK.332\_H\_18, complete sequence//1.6e-175:824:98//AC005746

F-HEMBA1003667//Homo sapiens chromosome 12p13.3, WORKING DRAFT SEQUENCE, 21 unordered pieces

# EP 1 074 617 A2

es//1.1e-24:190:87//AC004765  
F-HEMBA1003679//Homo sapiens BAC clone RG114B19 from 7q31.1, complete sequence//1.7e-162:579:99//AC005065  
F-HEMBA1003680//H.sapiens DNA sequence//7.3e-22:172:87//Z22322  
5 F-HEMBA1003684//H.sapiens mRNA for Miz-1 protein//0.0054:146:70//Y09723  
F-HEMBA1003690//Homo sapiens antigen NY-CO-9 (NY-CO-9) mRNA, partial cds//2.9e-72:606:77//AF039691  
F-HEMBA1003692  
F-HEMBA1003711//Homo sapiens chromosome 17, clone HRPC41C23, complete sequence//0.55:450:60//AC003101  
10 F-HEMBA1003714  
F-HEMBA1003715//Human DNA sequence from clone 931E15 on chromosome Xq25. Contains STSs, GSSs and genomic marker DXS8098, complete sequence//3.0e-16:316:68//AL023575  
F-HEMBA1003720//Homo sapiens chromosome 4 clone B227H22 map 4q25, complete sequence//1.3e-41:483:73//AC004056  
15 F-HEMBA1003725//CIT-HSP-2351H9.TF CIT-HSP Homo sapiens genomic clone 2351H9, genomic survey sequence//1.1e-112:532:99//AQ079348  
F-HEMBA1003729//HS\_3043\_A1\_E07\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3043 Col=13 Row=I, genomic survey sequence//1.6e-12:87:98//AQ129345  
F-HEMBA1003733//Homo sapiens, clone hRPK.15\_A\_1, complete sequence//4.7e-104:761:82//AC006213  
20 F-HEMBA1003742//HS\_3027\_A2\_B02\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3027 Col=4 Row=C, genomic survey sequence//3.4e-08:67:97//AQ154731  
F-HEMBA1003758//CIT-HSP-2379D18.TR CIT-HSP Homo sapiens genomic clone 2379D18, genomic survey sequence//2.9e-10:310:63//AQ113513  
F-HEMBA1003760//Mus musculus hypoxia inducible factor three alpha mRNA, complete cds//6.4e-114:714:86//AF060194  
25 F-HEMBA1003773//Plasmodium falciparum 3D7 chromosome 12 PFYAC336 genomic sequence, WORKING DRAFT SEQUENCE, 5 unordered pieces//0.078:378:58//AC005139  
F-HEMBA1003783//Human DNA sequence from PAC 509L4 on chromosome 6q22.1-6q22.33. Contains SSX3 like pseudogene, EST, STS//9.0e-135:804:89//Z99496  
30 F-HEMBA1003784//Caenorhabditis elegans cosmid C55B6//0.054:463:58//U88181  
F-HEMBA1003799//Homo sapiens Chromosome 22q11.2 Cosmid Clone 105a In DGCR Region, complete sequence//1.9e-44:425:76//AC000070  
F-HEMBA1003803//Oryctolagus cuniculus troponin T cardiac isoform mRNA, 3' end of cds//0.95:198:62//L40178  
F-HEMBA1003804//Homo sapiens chromosome 17, clone hCIT.175\_E\_5, complete sequence//1.2e-138:275:99//AC004596  
35 F-HEMBA1003805//Mus musculus quaking type I (QKI) mRNA, complete cds//6.6e-148:753:95//U44940  
F-HEMBA1003807//HS-1068-B1-G06-MR.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 278 Col=11 Row=N, genomic survey sequence//6.7e-07:241:67//B47212  
F-HEMBA1003827//Homo sapiens mRNA for KIAA0616 protein, partial cds//1.0e-83:586:87//AB014516  
40 F-HEMBA1003836//S.cerevisiae chromosome IX cosmid 9150//5.1e-16:368:63//Z38125  
F-HEMBA1003838//CIT-HSP-384J15.TR CIT-HSP Homo sapiens genomic clone 384J15, genomic survey sequence//1.4e-45:180:90//B54810  
F-HEMBA1003856//Homo sapiens chromosome 10 clone CIT9875K-1188B12 map 10p12.1, complete sequence//0.0014:574:58//AC005875  
45 F-HEMBA1003864//, complete sequence//2.1e-91:234:95//AC005300  
F-HEMBA1003866//Mus musculus semaphorin 1A mRNA, complete cds//5.9e-81:853:71//AF030430  
F-HEMBA1003879//H.sapiens CBP80 mRNA//2.0e-08:87:95//X80030  
F-HEMBA1003880//Homo sapiens genomic DNA, chromosome 21q11.1, segment 7/28, WORKING DRAFT SEQUENCE//1.7e-180:853:98//AP000036  
50 F-HEMBA1003885//Homo sapiens PAC clone DJ0167F23 from 7p15, complete sequence//4.5e-39:376:67//AC004079  
F-HEMBA1003893//H.sapiens CpG island DNA genomic MseI fragment, clone 11b6, forward read cpg11b6.ft1a//3.6e-32:173:99//Z59012  
F-HEMBA1003902//RPCI11-26M20.TPB RPCI-11 Homo sapiens genomic clone RPCI-11-26M20, genomic survey sequence//8.2e-12:422:61//AQ003455  
55 F-HEMBA1003908//Plasmodium falciparum chromosome 2, section 38 of 73 of the complete sequence//0.0063:468:58//AE001401  
F-HEMBA1003926//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 310O13, WORKING

DRAFT SEQUENCE.//3.6e-27:278:76//AL031658  
 F-HEMBA1003937//Homo sapiens chromosome 3 subtelomeric region.//1.4e-55:315:81//AF109718  
 F-HEMBA1003939//HS-1047-A1-G04-MF.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone  
 Plate=CT 830 Col=7 Row=M, genomic survey sequence.//6.1e-09:413:63//B38195  
 5 F-HEMBA1003942//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-420 genomic sequence, WORKING  
 DRAFT SEQUENCE, 14 unordered pieces.//0.42:205:65//AC005140  
 F-HEMBA1003950//M.capricolum DNA for CONTIG MC072.//0.029:458:58//Z33058  
 F-HEMBA1003953//HS\_2268\_A1\_B04\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=2268 Col=7 Row=C, genomic survey sequence.//9.0e-07:239:64//AQ085098  
 10 F-HEMBA1003958//Homo sapiens PAC clone DJ0808G16 from 7q11.23-q21, complete sequence.//2.8e-57:424:  
 74//AC004894  
 F-HEMBA1003959//RPC111-78E8.TV RPC111 Homo sapiens genomic clone R-78E8, genomic survey sequence.//  
 4.3e-86:441:9611AQ285498  
 F-HEMBA1003976//HS\_3146\_A1\_H09\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3146 Col=17 Row=O, genomic survey sequence.//6.3e-10:129:80//AQ141146  
 15 F-HEMBA1003978  
 F-HEMBA1003985//Caenorhabditis elegans DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y105C5,  
 WORKING DRAFT SEQUENCE.//1.0:258:60//Z98855  
 F-HEMBA1003987  
 20 F-HEMBA1003989//Streptomyces coelicolor cosmid 1A9.//0.40:238:61//AL034446  
 F-HEMBA1004000//Rattus norvegicus satellite sequence d0Mco2.//2.0e-07:116:70//U19354  
 F-HEMBA1004011//Plasmodium falciparum 3D7 chromosome 12 PFYAC588 genomic sequence, WORKING  
 DRAFT SEQUENCE, 2 unordered pieces.//0.098:286:60//AC004710  
 F-HEMBA1004012//Homo sapiens chromosome 17, clone hRPK.63\_A\_1, complete sequence.//2.8e-185:896:97//  
 25 AC005670  
 F-HEMBA1004015//Homo sapiens chromosome 17, clone hRPK.721\_K\_1, complete sequence.//6.3e-68:417:80//  
 AC005411  
 F-HEMBA1004024//Homo sapiens Xp22-83 BAC GSHB-324M7 (Genome Systems Human BAC Library) complete  
 sequence.//2.0e-47:418:77//AC005859  
 30 F-HEMBA1004038//Homo sapiens genomic DNA, chromosome 21q11.1, segment 23/28, WORKING DRAFT SE-  
 QUENCE.//1.6e-51:564:74//AP000052  
 F-HEMBA1004042//Plasmodium falciparum chromosome 2, section 35 of 73 of the complete sequence.//1.2e-05:  
 636:55//AE001398  
 F-HEMBA1004045//Homo sapiens (subclone 1\_g7 from BAC H76) DNA sequence, complete sequence.//1.9e-31:  
 35 373:76//AC002252  
 F-HEMBA1004048//Homo sapiens DNA for P35-related protein, exon 2.//0.039:234:63//D63393  
 F-HEMBA1004049//Homo sapiens Xp22 GS-52411 (Genome Systems Human BAC library), complete sequence.//  
 4.8e-135:780:89//AC003106  
 F-HEMBA1004055//Human chromosome 3p21.1 gene sequence.//4.7e-09:457:58//L13435  
 40 F-HEMBA1004056//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 447C4, WORKING  
 DRAFT SEQUENCE.//3.3e-25:246:77//AL021977  
 F-HEMBA1004074//CIT-HSP-2053J5.TF CIT-HSP Homo sapiens genomic clone 2053J5, genomic survey se-  
 quence.//7.8e-24:233:76//B68555  
 F-HEMBA1004086//Saccharomyces douglasii mitochondrial tRNA-Ser and tRNA-Phe genes, partial sequence,  
 45 and Var1p (var1) gene, mitochondrial gene encoding mitochondrial protein, complete cds.//4.5e-08:614:59//  
 U49822  
 F-HEMBA1004097//Mus musculus putative transcription factor mRNA, complete cds.//5.9e-121:502:85//  
 AF091234  
 F-HEMBA1004111//\*\*\* SEQUENCING IN PROGRESS \*\*\* Homo sapiens chromosome 4, BAC clone C0481P14;  
 50 HTGS phase 1, WORKING DRAFT SEQUENCE, 7 unordered pieces.//2.0e-36:317:80//AC006160  
 F-HEMBA1004131//Mus musculus clone OST2067, genomic survey sequence.//8.7e-24:320:71//AF046393  
 F-HEMBA1004132//HS\_3226\_B1\_D10\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3226 Col=19 Row=H, genomic survey sequence.//9.7e-13:232:71//AQ182017  
 F-HEMBA1004133  
 55 F-HEMBA1004138//HS\_3036\_B1\_G11\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3036 Col=21 Row=N, genomic survey sequence.//0.0035:165:64//AQ294763  
 F-HEMBA1004143  
 F-HEMBA1004146

# EP 1 074 617 A2

F-HEMBA1004150//Human DNA sequence from PAC 52D1 on chromosome Xq21. Contains CA repeats, STS.//  
0.00011:618:60//Z96811

F-HEMBA1004164//Homo sapiens Xp22-175-176 BAC GSHB-484O17 (Genome Systems Human BAC Library)  
complete sequence.//2.9e-30:454:68//AC005913

5 F-HEMBA1004168//Homo sapiens geminin mRNA, complete cds.//4.5e-133:649:97//AF067855

F-HEMBA1004199

F-HEMBA1004200//HS\_2015\_A1\_B05\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
nomic clone Plate=2015 Col=9 Row=C, genomic survey sequence.//8.5e-34:236:87//AQ247957

10 F-HEMBA1004202//Mus musculus chromosome 11, clone mCIT.268\_P\_23, complete sequence.//7.8e-59:216:  
83//AC004807

F-HEMBA1004203//Homo sapiens clone NH0313P13, WORKING DRAFT SEQUENCE, 15 unordered pieces.//  
6.3e-98:173:98//AC005488

F-HEMBA1004207//Homo sapiens leptin receptor short form (db) mRNA, complete cds.//3.2e-166:791:98//  
U50748

15 F-HEMBA1004225//Plasmodium falciparum chromosome 2, section 61 of 73 of the complete sequence.//6.5e-08:  
584:60//AE001424

F-HEMBA1004227//Rattus norvegicus protein phosphatase 2C mRNA, complete cds.//8.0e-115:713:86//  
AF095927

F-HEMBA1004238

20 F-HEMBA1004241//CIC5B11.1 check: 4870 from: 1 to: 167234, complete sequence.//0.57:552:58//AC004708

F-HEMBA1004246//Human DNA sequence from clone 422F24 on chromosome 6q24.1-25.2. Contains a novel  
gene similar to C. elegans C02C2.5. Contains ESTs, STSs and GSSs, complete sequence.//6.1e-21:254:77//  
AL031010

F-HEMBA1004248//Rattus rattus insulin-induced growth-respons protein (CL-6) mRNA, complete cds.//1.7e-30:  
315:74//L13619

25 F-HEMBA1004264//Homo sapiens cosmid clone LUCA20 from 3p21.3, complete sequence.//4.4e-07:674:60//  
AC004693

F-HEMBA1004267//Homo sapiens chromosome 17, clone hRPC.117\_B\_12, complete sequence.//3.1e-78:335:  
87//AC004707

30 F-HEMBA1004272//Homo sapiens 12p13.3 PAC RPCI5-1180D12 (Roswell Park Cancer Institute Human PAC  
Library) complete sequence.//1.4e-176:856:97//AC005831

F-HEMBA1004274//HS\_3064\_B2\_A04\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
nomic clone Plate=3064 Col=8 Row=B, genomic survey sequence.//3.1e-28:153:100//AQ136993

35 F-HEMBA1004275//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 501A4, WORKING  
DRAFT SEQUENCE.//5.2e-17:109:99//Z98051

F-HEMBA1004276//CIT-HSP-2387K6.TF.1 CIT-HSP Homo sapiens genomic clone 2387K6, genomic survey se-  
quence.//5.0e-07:63:98//AQ240477

F-HEMBA1004286//Homo sapiens TGF beta receptor associated protein-1 mRNA, complete cds.//2.1e-185:868:  
99//AF022795

40 F-HEMBA1004289//Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MQN23, complete sequence.//  
1.0:387:59//AB013395

F-HEMBA1004295//Homo sapiens DNA, anonymous heat-stable fragment RP11-3A.//7.8e-06:92:89//AB012254

F-HEMBA1004306//Homo sapiens clone DJ0811N16, complete sequence.//0.00037:413:59//AC004897

F-HEMBA1004312//Rickettsia prowazekii strain Madrid E, complete genome; segment 2/4.//0.28:522:57//  
AJ235271

45 F-HEMBA1004321//Homo sapiens chromosome 19, BAC CIT-B-191n6, complete sequence.//7.1e-136:548:92//  
AC006130

F-HEMBA1004323//Human DNA sequence from PAC 450C20 on chromosome X.//1.3e-32:320:65//Z84720

F-HEMBA1004327//Homo sapiens mRNA for KIAA0522 protein, partial cds.//0.93:222:62//AB011094

50 F-HEMBA1004330//Homo sapiens clone DJ1196H06, WORKING DRAFT SEQUENCE, 4 unordered pieces.//  
7.0e-168:895:93//AC004995

F-HEMBA1004334//Homo sapiens Xp22 BAC 620F15 (Genome Systems BAC library) complete sequence.//4.6e-  
73:713:75//AC002980

F-HEMBA1004335//Human DNA-sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 417M14, WORKING  
DRAFT SEQUENCE.//1.3e-25:121:85//AL024498

55 F-HEMBA1004341

F-HEMBA1004353//\*\*\*ALU WARNING: Human Alu-Sc subfamily consensus sequence.//6.4e-38:278:85//U14571

F-HEMBA1004354//Human clone C3 CHL1 protein (CHLR1) mRNA, alternatively spliced, complete cds.//4.1e-45:

190:92//J75968  
 F-HEMBA1004356  
 F-HEMBA1004366//P.falciparum complete gene map of plastid-like DNA (IR-A)//2.2e-07:736:57//X95275  
 F-HEMBA1004372//H.sapiens dystrophin gene intron 44//1.0:129:62//X77644  
 5 F-HEMBA1004389//Mouse interleukin 2 receptor (p55 IL-2R) mRNA, 5' end//4.7e-42:237:94//M21977  
 F-HEMBA1004394//Plasmodium falciparum chromosome 2, section 39 of 73 of the complete sequence//5.2e-05:  
 519:59//AE001402  
 F-HEMBA1004396//Human BAC clone RG302F04 from 7q31, complete sequence//4.0e-32:261:76//AC002463  
 F-HEMBA1004405//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-628 genomic sequence, WORKING  
 10 DRAFT SEQUENCE, 9 unordered pieces//1.4e-07:693:58//AC005507  
 F-HEMBA1004408//Homo sapiens clone NH0469M07, WORKING DRAFT SEQUENCE, 7 unordered pieces//  
 1.2e-69:195:100//AC005037  
 F-HEMBA1004429//HS\_3193\_A1\_B06\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3193 Col=11 Row=C, genomic survey sequence//5.1e-67:386:91//AQ172942  
 15 F-HEMBA1004433//Human Chromosome 11p11.2 PAC clone pDJ404m15, complete sequence//3.2e-27:242:82//  
 AC002554  
 F-HEMBA1004460//Homo sapiens clone DJ0647C14, WORKING DRAFT SEQUENCE, 21 unordered pieces//  
 1.7e-75:590:81//AC004846  
 F-HEMBA1004461//Human DNA sequence from clone 657J8 on chromosome Xq26.1-26.3 Contains GSS, com-  
 20 plete sequence//0.045:215:66//AL034407  
 F-HEMBA1004479//Mus musculus hypoxia inducible factor three alpha mRNA, complete cds//5.2e-43:364:79//  
 AF060194  
 F-HEMBA1004482//Plasmodium falciparum 3D7 chromosome 12 PFYAC181 genomic sequence, WORKING  
 DRAFT SEQUENCE, 8 unordered pieces//6.8e-17:791:59//AC005505  
 25 F-HEMBA1004499//Homo sapiens chromosome 17, clone hRPC.1073\_F\_15, complete sequence//4.4e-125:251:  
 94//AC004686  
 F-HEMBA1004502//Plasmodium falciparum 3D7 chromosome 12 PFYAC1122 genomic sequence, WORKING  
 DRAFT SEQUENCE, 3 unordered pieces//0.012:635:57//AC004709  
 F-HEMBA1004506//Homo sapiens PAC clone DJ0844F09 from 7p12-p13, complete sequence//2.8e-127:766:  
 30 88//AC004453  
 F-HEMBA1004507  
 F-HEMBA1004509//Arabidopsis thaliana DNA chromosome 4, BAC clone T10I14 (ESSAll project)//1.0e-13:244:  
 67//AL021712  
 F-HEMBA1004534//Human mRNA for actin-binding protein (filamin) (ABP-280)//1.6e-72:678:74//X53416  
 35 F-HEMBA1004538//Sequence 1 from patent US 5612190//0.00015:416:59//I36871  
 F-HEMBA1004542//Homo sapiens clone NH0486I22, WORKING DRAFT SEQUENCE, 5 unordered pieces//0.95:  
 202:64//AC005038  
 F-HEMBA1004554//Arabidopsis thaliana BAC T26D22//0.45:624:56//AFO58826  
 F-HEMBA1004560//Human mRNA for KIAA0281 gene, complete cds//9.1e-10:173:70//D87457  
 40 F-HEMBA1004573//Human BAC clone RG114A06 from 7q31, complete sequence//6.1e-23:134:73//AC002542  
 F-HEMBA1004577//Homo sapiens Chromosome 16 BAC clone CIT987SK-582J2, complete sequence//1.6e-15:  
 190:77//AC004525  
 F-HEMBA1004586//Homo sapiens clone DJ0810E06, WORKING DRAFT SEQUENCE, 8 unordered pieces//  
 3.1e-31:388:76//AC004895  
 45 F-HEMBA1004596//RPC111-81O21.TJ RPC111 Homo sapiens genomic clone R-81O21, genomic survey se-  
 quence//2.2e-90:458:90//AQ285136  
 F-HEMBA1004604//Mus musculus COP9 complex subunit 7a (COPS7a) mRNA, complete cds//8.6e-105:699:  
 84//AF071316  
 F-HEMBA1004610//Homo sapiens PAC clone DJ1163J12 from 7q21.2-q31.1, complete sequence//5.4e-20:267:  
 50 72//AC004983  
 F-HEMBA1004617//CIT-HSP-2319H15.TF CIT-HSP Homo sapiens genomic clone 2319H15, genomic survey se-  
 quence//6.2e-26:147:99//AQ034944  
 F-HEMBA1004629//Plasmodium falciparum 3D7 chromosome 12 PFYAC1383 genomic sequence, WORKING  
 DRAFT SEQUENCE, 3 unordered pieces//5.6e-06:766:56//AC005504  
 55 F-HEMBA1004631//Human DNA sequence from PAC 368A4 on chromosome X. Contains ESTs, CELLULAR NU-  
 CLEIC ACID BINDING PROTEIN (CNBP) like gene and STSs//4.7e-73:412:92//Z83843  
 F-HEMBA1004632//Canine herpesvirus DNA for gene homolog of HSV1 UL16, EHV1 ORF 46, VZV ORF 44//  
 0.92:181:61//X90418

- F-HEMBA1004637//G.gallus mRNA for LRP/alpha-2-macroglobulin receptor//7.8e-47:784:65//X74904  
 F-HEMBA1004638//Rattus norvegicus homeodomain protein Nkx6.1 (nkx6.1) mRNA, complete cds//6.4e-06:458:61//AF004431  
 F-HEMBA1004666//Caenorhabditis elegans DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y47D3,  
 5 WORKING DRAFT SEQUENCE//0.30:733:55//Z98865  
 F-HEMBA1004669//Human DNA sequence from clone 465N24 on chromosome 1p35.1-36.13. Contains two novel genes, ESTs, GSSs and CpG islands, complete sequence//7.5e-136:521:98//AL031432  
 F-HEMBA1004670//Homo sapiens Chromosome 22q12 Cosmid Clone p90g5, complete sequence//0.43:365:59//AC000045  
 10 F-HEMBA1004672  
 F-HEMBA1004693//Plasmodium falciparum 3D7 chromosome 12 PFYAC492 genomic sequence, WORKING DRAFT SEQUENCE, 5 unordered pieces//0.096:651:54//AC005308  
 F-HEMBA1004697//CIT-HSP-2326C13.TR CIT-HSP Homo sapiens genomic clone 2326C13, genomic survey sequence//0.23:238:65//AQ040642  
 15 F-HEMBA1004705//Homo sapiens Xp22 Cosmid U151G1 (from Lawrence Livermore X library) and PAC RPC11-93D11 (from Roswell Park Cancer Center) complete sequence//2.1e-27:375:72//AC002357  
 F-HEMBA1004709//Homo sapiens Xp22-150 BAC GSHB-309P15 (Genome Systems Human BAC Library) complete sequence//1.6e-36:191:91//AC006210  
 F-HEMBA1004711//Homo sapiens chromosome 17, clone hRPK.271\_K\_11, complete sequence//1.1e-133:639:99//AC005562  
 20 F-HEMBA1004725//RPC11-75013.TJ RPC111 Homo sapiens genomic clone R-75013, genomic survey sequence//6.2e-32:169:100//AQ266512  
 F-HEMBA1004730//Human BAC clone RG035E18 from 7q31, complete sequence//8.0e-68:732:72//AC004029  
 F-HEMBA1004733//CIT-HSP-2305M23.TF CIT-HSP Homo sapiens genomic clone 2305M23, genomic survey sequence//4.9e-18:209:69//AQ017556  
 25 F-HEMBA1004734//Arabidopsis thaliana ubiquitin-conjugating enzyme 17 (UBC17) mRNA, complete cds//1.8e-13:451:62//AF028340  
 F-HEMBA1004736//Human DNA Sequence from PAC 436M11 on chromosome Xp22.11-22.2. Contains the serine threonine protein phosphatase gene PPEF1, and the first coding exon of the RS1 gene for retinosischisis (X-linked, juvenile) 1 (XLR51). Contains ESTs, an STS and GSSs, complete sequence//5.0e-87:646:78//Z94056  
 30 F-HEMBA1004748//Human BAC clone RG204I16 from 7q31, complete sequence//0.24:526:57//AC002461  
 F-HEMBA1004751//Homo sapiens clone DJ0876A24, WORKING DRAFT SEQUENCE, 6 unordered pieces//1.4e-25:268:76//AC004913  
 F-HEMBA1004752//R.norvegicus mRNA for leucocyte common antigen-related protein (3941 bp)//1.1e-07:503:61//X83546  
 35 F-HEMBA1004753//Homo sapiens Chromosome 12 Cosmid Clone 6e5, complete sequence//4.5e-38:314:81//AC000028  
 F-HEMBA1004756//Homo sapiens, complete sequence//1.4e-111:326:84//AC005854  
 F-HEMBA1004758//Sequence 29 from patent US 5534410//3.9e-135:769:91//I23472  
 40 F-HEMBA1004763//Homo sapiens apoptosis inhibitor survivin gene, complete cds//3.6e-47:404:79//U75285  
 F-HEMBA1004768//Homo sapiens PAC clone DJ0979P20 from 7q33-q35, complete sequence//6.7e-107:890:78//AC004941  
 F-HEMBA1004770//Plasmodium falciparum 3D7 chromosome 12 PFYAC1122 genomic sequence, WORKING DRAFT SEQUENCE, 3 unordered pieces//7.9e-09:806:59//AC004709  
 45 F-HEMBA1004771//G.muris ribosomal RNA operon DNA encoding 16S, 23S and 5.8S ribosomal RNA//0.69:239:61//X65063  
 F-HEMBA1004776  
 F-HEMBA1004778  
 F-HEMBA1004795//Drosophila melanogaster A-kinase anchor protein DAKAP550 mRNA, partial cds//3.4e-46:778:64//AF003622  
 50 F-HEMBA1004803//Homo sapiens chromosome Y, clone 264,M,20, complete sequence//4.3e-82:580:82//AC004617  
 F-HEMBA1004806//Homo sapiens BAC clone RG281G05 from 7p15-p21, complete sequence//5.4e-07:642:59//AC005083  
 55 F-HEMBA1004807//Human HIV1 tata element modulatory factor mRNA sequence from chromosome 3//1.4e-46:171:92//L01042  
 F-HEMBA1004816//Homo sapiens calpastatin (CAST) gene, exons 10-14//3.5e-31:546:66//M86257  
 F-HEMBA1004820//C.botulinum progenitor toxin complex genes//0.0014:343:62//X87972



# EP 1 074 617 A2

F-HEMBA1004847//Canine mRNA for 68kDA subunit of signal recognition particle (SRP68)//1.5e-85:512:88//X53744

F-HEMBA1004850//Homo sapiens TGF-beta type I receptor (TGFBRI) gene, exon 1//0.0065:284:61//AF054590

F-HEMBA1004863//Genomic sequence from Mouse 11, complete sequence//0.92:250:59//AC000400

5 F-HEMBA1004864

F-HEMBA1004865//Human DNA sequence from clone 459L4 on chromosome 6p22.3-24.1 Contains EST, STS, GSS, complete sequence//3.6e-12:214:72//AL031120

F-HEMBA1004880//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-319E8, complete sequence//1.1e-08:255:69//AC004020

10 F-HEMBA1004889//Schistocerca americana Antennapedia homeotic protein (Antp) mRNA, complete cds//0.062:155:69//U32943

F-HEMBA1004900//Plasmodium falciparum unidentified mRNA sequence//0.00055:323:60//L12043

F-HEMBA1004909//Homo sapiens chromosome 17, clone 289A8, complete sequence//9.6e-16:166:80//AC003051

15 F-HEMBA1004918//Turritella communis mitochondrial 16S ribosomal RNA gene, partial//0.81:146:65//M94003

F-HEMBA1004923//Human DNA from overlapping chromosome 19-specific cosmids R32543, and F15613 containing ZNF gene family member, genomic sequence, complete sequence//1.4e-36:338:78//AC003006

F-HEMBA1004929//CIT-HSP-2373I16.TR CIT-HSP Homo sapiens genomic clone 2373I16, genomic survey sequence//2.4e-86:443:96//AQ108676

20 F-HEMBA1004930//Homo sapiens PAC clone DJ0608H12 from 7q21, complete sequence//4.6e-20:219:73//AC004109

F-HEMBA1004933//HS-1003-A1-E10-MF.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 497 Col=19 Row=I, genomic survey sequence//1.4e-28:216:85//B30726

F-HEMBA1004934//Homo sapiens chromosome 21q22.3 PAC 267O10, complete sequence//0.53:222:61//AF042091

25 F-HEMBA1004944//Homo sapiens clone DJ0736H05, WORKING DRAFT SEQUENCE, 5 unordered pieces//1.2e-58:509:78//AC005482

F-HEMBA1004954//HS\_2033\_A2\_A08\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2033 Col=16 Row=A, genomic survey sequence//3.7e-47:243:99//AQ229758

30 F-HEMBA1004956//P.falciparum complete gene map of plastid-like DNA (IR-B)//0.048:421:58//X95276

F-HEMBA1004960//Arabidopsis thaliana DNA chromosome 4, ESSA I contig fragment No. 8//0.89:333:58//Z97343

F-HEMBA1004972

F-HEMBA1004973//RPCI11-66P8.TK RPCI11 Homo sapiens genomic clone R-66P8, genomic survey sequence//3.5e-22:245:77//AQ238471

35 F-HEMBA1004977//Homo sapiens full-length insert cDNA clone YZ83B08//9.0e-11:84:98//AF086080

F-HEMBA1004978//CIT-HSP-2354E10.TR CIT-HSP Homo sapiens genomic clone 2354E10, genomic survey sequence//0.0021:152:66//AQ075713

F-HEMBA1004980//HS\_3018\_A2\_E04\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3018 Col=8 Row=I, genomic survey sequence//1.9e-77:392:97//AQ071873

40 F-HEMBA1004983//Albinaria corrugata isolate cor. Prn1.1 16S ribosomal RNA gene, mitochondrial gene for mitochondrial RNA, partial sequence//0.0030:276:61//AF031680

F-HEMBA1004995//Homo sapiens chromosome 16, cosmid bridge clone 306E6 (LANL), complete sequence//4.2e-138:640:99//AC005590

45 F-HEMBA1005008//Human mariner1 transposase gene, complete consensus sequence//6.8e-20:160:88//U52077

F-HEMBA1005009//Homo sapiens BAF53a (BAF53a) mRNA, complete cds//2.0e-144:668:99//AF041474

F-HEMBA1005019//Homo sapiens mRNA for KIAA0648 protein, partial cds//1.4e-146:693:98//AB014548

F-HEMBA1005029//Homo sapiens DNA sequence from PAC 97D16 on chromosome 6p21.3-22.2. Contains an unknown pseudogene, a 60S Ribosomal protein L24 (L30) LIKE pseudogene and histone genes H2BFC (H2B/c), H4FFP (H4/f pseudogene), H2AFC (H2A/c), H3F1K (H3.1/k) and a tRNA-Val pseudogene and tRNA-Thr gene. Contains ESTs, STSs, GSSs and genomic marker D6S464, complete sequence//2.2e-115:668:90//AL009179

50 F-HEMBA1005035//Homo sapiens chromosome 17, clone hCIT.175\_E\_5, complete sequence//4.6e-138:591:98//AC004596

55 F-HEMBA1005039//CIT-HSP-2338L5.TR CIT-HSP Homo sapiens genomic clone 2338L5, genomic survey sequence//3.7e-61:271:88//AQ055486

F-HEMBA1005047//Mus musculus mRNA for Rab24 protein//3.8e-17:218:73//Z22819

F-HEMBA1005050//Human Tis11d gene, complete cds//0.079:251:63//U07802

# EP 1 074 617 A2

- F-HEMBA1005062//Plasmodium falciparum 3D7 chromosome 12 PFYAC69 genomic sequence, WORKING DRAFT SEQUENCE, 4 unordered pieces.//0.018:560:56//AC004688
- F-HEMBA1005066//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 774G10, WORKING DRAFT SEQUENCE.//3.4e-97:432:84//AL034410
- 5 F-HEMBA1005075//H.sapiens DNA 3' flanking simple sequence region clone wg2c3.//6.9e-07:176:68//X76589
- F-HEMBA1005079//CIT-HSP-2325M21.TRB CIT-HSP Homo sapiens genomic clone 2325M21, genomic survey sequence.//2.1e-48:274:93//AQ038720
- F-HEMBA1005083//HS\_2248\_B1\_D05\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2248 Col=9 Row=H, genomic survey sequence.//3.4e-06:230:64//AQ129575
- 10 F-HEMBA1005101//Homo sapiens SYT interacting protein SIP mRNA, complete cds.//1.3e-161:762:98//AF080561
- F-HEMBA1005113//L.esculentum microsatellite repeat DNA region.//0.0038:742:57//X90770
- F-HEMBA1005123//Homo sapiens clone DJ0673M15, WORKING DRAFT SEQUENCE, 33 unordered pieces.//9.6e-83:479:78//AC004854
- 15 F-HEMBA1005133//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y313F4, WORKING DRAFT SEQUENCE.//3.9e-24:576:64//AL023808
- F-HEMBA1005149//Homo sapiens PAC clone DJ430N08 from 22q12.1-qter, complete sequence.//4.7e-36:283:80//AC004542
- F-HEMBA1005152//Homo sapiens chromosome Xp22-67-68, WORKING DRAFT SEQUENCE, 99 unordered pieces.//5.0e-10:332:64//AC004469
- 20 F-HEMBA1005159//Homo sapiens genomic DNA, chromosome 21q11.1, segment 1/5, WORKING DRAFT SEQUENCE.//4.0e-10:734:58//AP000023
- F-HEMBA1005185//H.sapiens CpG island DNA genomic Mse1 fragment, clone 91b2, forward read cpg91b2.ft1a./12.2e-14:93:100//Z63847
- 25 F-HEMBA1005201//Drosophila melanogaster cosmid 152A3.//4.7e-35:679:64//AL009194
- F-HEMBA1005202//Canine mRNA for 68kDA subunit of signal recognition particle (SRP68).//6.7e-138:778:90//X53744
- F-HEMBA1005206//Drosophila melanogaster Su(P) and anon-73B1 genes and partial o25 gene and Pros26 gene.//7.1e-12:376:62//AJ011320
- 30 F-HEMBA1005219//Homo sapiens mRNA for KIAA0445 protein, complete cds.//7.1e-05:411:60//AB007914
- F-HEMBA1005223//Homo sapiens PAC clone DJ430N08 from 22q12.1-qter, complete sequence.//3.5e-06:212:66//AC004542
- F-HEMBA1005232//Plasmodium falciparum 3D7 chromosome 12 PFYAC492 genomic sequence, WORKING DRAFT SEQUENCE, 5 unordered pieces.//3.7e-07:625:57//AC005308
- 35 F-HEMBA1005241//Homo sapiens PAC clone DJ0777O23 from 7p14-p15, complete sequence.//8.7e-45:567:72//AC005154
- F-HEMBA1005244//Homo sapiens chromosome X clone U177G4, U152H5, U168D5, 174A6, U172D6, and U186B3 from Xp22, complete sequence.//0.96:298:62//AC002365
- F-HEMBA1005251
- 40 F-HEMBA1005252//Homo sapiens chromosome 17, clone hRPK.318\_A\_15, complete sequence.//4.5e-160:392:99//AC005837
- F-HEMBA1005274//Homo sapiens BAC clone 255A7 from 8q21 containing NBS1 gene, complete sequence.//2.3e-05:496:60//AF069291
- F-HEMBA1005275//Human DNA sequence from clone 444C7 on chromosome 6p22.3-23. Contains an EST, an STS and GSSs, complete sequence.//5.7e-05:220:64//AL033521
- 45 F-HEMBA1005293//Homo sapiens echinoderm microtubule-associated protein homolog HuEMAP mRNA, complete cds.//2.4e-20:338:65//U97018
- F-HEMBA1005296
- F-HEMBA1005304//Human DNA sequence from clone 364I22 on chromosome Xq21.31-22.3. Contains an STS and GSSs, complete sequence.//1.6e-51:381:78//AL031012
- 50 F-HEMBA1005311
- F-HEMBA1005314//Homo sapiens genomic DNA, chromosome 21q11.1, segment 2/28, WORKING DRAFT SEQUENCE.//0.94:226:63//AP000031
- F-HEMBA1005315//Homo sapiens BAC810, complete sequence.//9.5e-15:684:62//U85198
- 55 F-HEMBA1005318//Human DNA sequence from PAC 394F12 on chromosome X contains EST, STS, CpG island clone.//2.6e-05:472:59//Z83823
- F-HEMBA1005331//Homo sapiens chromosome 17, clone hRPK.214\_C\_8, complete sequence.//3.3e-90:300:90//AC005803

F-HEMBA1005338//Homo sapiens mRNA for matrilin-4, partial//1.4e-151:740:97//AJ007581  
 F-HEMBA1005353//CIT-HSP-2310N10.TR CIT-HSP Homo sapiens genomic clone 2310N10, genomic survey se-  
 quence//2.1e-86:438:97//AQ016145  
 F-HEMBA1005359//Human zinc finger protein ZNF137 mRNA, complete cds//1.8e-98:500:88//U09414  
 5 F-HEMBA1005367//Mus musculus melastatin mRNA, complete cds//8.3e-72:577:73//AF047714  
 F-HEMBA1005372//Human DNA sequence from PAC 293E14 contains ESTs, STS//1.3e-07:274:66//Z82900  
 F-HEMBA1005374//Homo sapiens clone 277F10, WORKING DRAFT SEQUENCE, 5 unordered pieces//1.9e-48:  
 611:69//AC004813  
 F-HEMBA1005382//HS\_3063\_B2\_F11\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 10 nomic clone Plate=3063 Col=22 Row=L, genomic survey sequence//1.6e-27:154:98//AQ103204  
 F-HEMBA1005389//Plasmodium falciparum telomere nucleotide sequence//4.0e-07:443:61//M23175  
 F-HEMBA1005394//CIT-HSP-2368B11.TR CIT-HSP Homo sapiens genomic clone 2368B11, genomic survey se-  
 quence//7.6e-17:225:71//AQ076749  
 F-HEMBA1005403//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 423B22, WORKING  
 15 DRAFT SEQUENCE//4.5e-131:278:98//AL034379  
 F-HEMBA1005408//HS\_3007\_B2\_G04\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3007 Col=8 Row=N, genomic survey sequence//8.0e-06:218:66//AQ294366  
 F-HEMBA1005410//Human DNA sequence from cosmid cU120E2, on chromosome X contains Lowe oculocere-  
 brorenal syndrome (OCRL) ESTs and STS//1.5e-41:432:76//Z73496  
 20 F-HEMBA1005411  
 F-HEMBA1005423//Homo sapiens cyclin-dependent kinase inhibitor (CDKN2C) mRNA, complete cds//1.0e-169:  
 537:99//AF041248  
 F-HEMBA1005426  
 F-HEMBA1005443//Homo sapiens chromosome 19, BAC CIT-B-191n6, complete sequence//7.1e-37:260:76//  
 25 AC006130  
 F-HEMBA1005447//CIT-HSP-2173N7.TR CIT-HSP Homo sapiens genomic clone 2173N7, genomic survey se-  
 quence//5.0e-133:631:98//B93234  
 F-HEMBA1005468//Human DNA sequence from clone 20J23 on chromosome Xq26.2-27.2 Contains ras-related  
 C3 botulinum toxin substrate 1 (P21-RAC1) (ras-like protein TC25) EST, CA repeat, STS, CpG island, complete  
 30 sequence//1.5e-118:868:83//AL022576  
 F-HEMBA1005469//Homo sapiens chromosome 16, P1 clone 96-4B (LANL), complete sequence//1.2e-179:838:  
 99//AC005212  
 F-HEMBA1005472//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 228H13, WORKING  
 DRAFT SEQUENCE//3.4e-20:187:74//AL031985  
 35 F-HEMBA1005474//Homo sapiens genomic DNA, chromosome 21q11.1, segment 12/28, WORKING DRAFT SE-  
 QUENCE//4.1e-22:445:65//AP000041  
 F-HEMBA1005475//CIT-HSP-2322D14.TR CIT-HSP Homo sapiens genomic clone 2322D14, genomic survey se-  
 quence//6.7e-51:269:97//AQ026941  
 F-HEMBA1005497//HS\_3097\_A2\_G05\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 40 nomic clone Plate=3097 Col=10 Row=M, genomic survey sequence//1.4e-66:345:96//AQ103810  
 F-HEMBA1005500//Homo sapiens PAC clone DJ1093017 from 7q11.23-q21, complete sequence//5.4e-178:818:  
 98//AC004957  
 F-HEMBA1005506//Mus musculus (clone 0EBF17) early B-cell factor (EBF) mRNA, complete cds//2.6e-06:73:  
 98//L12147  
 45 F-HEMBA1005508//Homo sapiens clone hRPK.1\_A\_1, complete sequence//0.00012:455:60//AC006196  
 F-HEMBA1005511//Homo sapiens MHC class 1 region//3.3e-43:421:77//AF055066  
 F-HEMBA1005513//Drosophila melanogaster males-absent on the first (mof) gene, complete cds//2.3e-20:352:  
 69//U71219  
 F-HEMBA1005517//Homo sapiens DNA for (CGG)n trinucleotide repeat region, isolate E7//2.5e-08:431:62//  
 50 AJ001216  
 F-HEMBA1005518//M.musculus mRNA for paladin gene//8.2e-90:651:81//X99384  
 F-HEMBA1005520//Homo sapiens clone DJ0876A24, WORKING DRAFT SEQUENCE, 6 unordered pieces//  
 7.8e-167:755:99//AC004913  
 F-HEMBA1005526//Homo sapiens chromosome 9, clone hRPK.202\_H\_3, complete sequence//2.4e-42:475:73//  
 55 AC006241  
 F-HEMBA1005528//Mus musculus mCAF1 protein mRNA, complete cds//1.2e-94:512:92//U21855  
 F-HEMBA1005530  
 F-HEMBA1005548//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 970A17, WORKING

# EP 1 074 617 A2

DRAFT SEQUENCE.//9.4e-87:422:99//AL034431  
F-HEMBA1005552//Homo sapiens PAC clone DJ0807C15 from 7q34-q36, complete sequence.//6.1e-41:486:68//AC004743  
F-HEMBA1005558//Drosophila melanogaster DNA sequence (P1 DS00837 (D87)), complete sequence.//2.9e-19:  
5 306:68//AC004377  
F-HEMBA1005568//Plasmodium falciparum 3D7 chromosome 12 PFYAC812 genomic sequence, WORKING  
DRAFT SEQUENCE, 8 unordered pieces.//0.0093:345:60//AC004153  
F-HEMBA1005570//Plasmodium falciparum chromosome 2, section 44 of 73 of the complete sequence.//4.2e-09:  
592:59//AE001407  
10 F-HEMBA1005576//Homo sapiens mRNA for KIAA0463 protein, partial cds.//5.9e-127:610:98//AB007932  
F-HEMBA1005577//HS-1004-A1-E11 -MR.abi CIT Human Genomic Sperm Library C Homo sapiens genomic  
clone Plate=CT 498 Col=21 Row=I, genomic survey sequence.//0.00034:254:64//B30971  
F-HEMBA1005581//Rattus norvegicus mRNA for MEGF5, complete cds.//4.0e-57:826:65//AB011531  
F-HEMBA1005582//HS\_3242\_A1\_B07\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
15 nomic clone Plate=3242 Col=13 Row=C, genomic survey sequence.//1.1e-13:91:98//AQ211275  
F-HEMBA1005583  
F-HEMBA1005588//Homo sapiens PAC clone DJ1188N21 from 7q11.23-q21.1, complete sequence.//8.7e-31:283:  
75//AC006025  
F-HEMBA1005593//Homo sapiens chromosome 17, clone hRPK.332\_H\_18, complete sequence.//8.3e-158:748:  
20 99//AC005746  
F-HEMBA1005595//CIT-HSP-2309F14.TF CIT-HSP Homo sapiens genomic clone 2309F14, genomic survey se-  
quence.//6.4e-30:194:91//AQ016527  
F-HEMBA1005606//CIT-HSP-2326I6.TR CIT-HSP Homo sapiens genomic clone 2326I6, genomic survey se-  
quence.//0.0014:132:70//AQ041484  
25 F-HEMBA1005609//Homo sapiens clone RG315H11, WORKING DRAFT SEQUENCE, 5 unordered pieces.//2.9e-  
33:249:85//AC005089  
F-HEMBA1005616//Homo sapiens DNA sequence from PAC 43C13 on chromosome Xq21.1-Xq21.3. rab proteins  
geranylgeranyltransferase component A 1 (rab escort protein 1) (REP-1) (choroideraemia protein) (TCD protein).//  
6.5e-29:279:69//AL009175  
30 F-HEMBA1005621//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 330012, WORKING  
DRAFT SEQUENCE.//6.4e-90:158:87//AL031731  
F-HEMBA1005627//RPCI11-34P9 TJ RPCI-11 Homo sapiens genomic clone RPCI-11-34P9, genomic survey se-  
quence.//0.014:168:67//AQ045110  
F-HEMBA1005631//Homo sapiens PAC clone DJ1086D14, complete sequence.//1.0e-149:736:93//AC004460  
35 F-HEMBA1005632  
F-HEMBA1005634//Human DNA sequence from PAC 187N21 on chromosome 6p21.2-6p21.33. Contains ESTs.//  
6.6e-38:452:67//Z98036  
F-HEMBA1005666  
F-HEMBA1005670//Homo sapiens PAC clone DJ0665C04 from 7p14-p13, complete sequence.//5.1e-59:687:74//  
40 AC004850  
F-HEMBA1005679//Homo sapiens clone DJ0425I02, WORKING DRAFT SEQUENCE, 5 unordered pieces.//1.0e-  
47:357:85//AC005478  
F-HEMBA1005680  
F-HEMBA1005685//RPCI11-23D19.TKBR RPCI-11 Homo sapiens genomic clone RPCI-11-23D19, genomic sur-  
45 vey sequence.//0.99:228:63//AQ013742  
F-HEMBA1005699//Human ligand for eph-related receptor tyrosine kinases (EPLG8) mRNA, complete cds.//1.4e-  
72:406:92//U57001  
F-HEMBA1005705//Human (D21S172) DNA segment containing (CA) repeat.//0.00040:190:66//X56513  
F-HEMBA1005717//Plasmodium falciparum MAL3P1, complete sequence.//0.0099:260:63//Z97348  
50 F-HEMBA1005732//Human mRNA for KIAA0003 gene, complete cds.//8.1e-19:151:88//D14697  
F-HEMBA1005737//Homo sapiens PAC clone DJ1099C19 from 7q21-q22, complete sequence.//5.6e-15:157:79//  
AC005156  
F-HEMBA1005746//RPCI11-63N8.TK RPCI11 Homo sapiens genomic clone R-63N8, genomic survey sequence.//  
1.3e-18:113:100//AQ238535  
55 F-HEMBA1005755//Homo sapiens DNA sequence from PAC 95C20 on chromosome Xp11.3-11.4. Contains STSs  
and the DXS7 locus with GT and GTG repeat polymorphisms, complete sequence.//3.6e-56:764:70//Z97181  
F-HEMBA1005765//Human DNA sequence from PAC 288L1 on chromosome 22q12-qter contains ESTs and pol-  
ymorphic CA repeat (D22S1152).//1.1e-30:275:77//Z82196

- F-HEMBA1005780//RPCI11-74E19.TJ RPCI11 Homo sapiens genomic clone R-74E19, genomic survey sequence.//0.0011:283:62//AQ268432
- F-HEMBA1005813//Homo sapiens PAC clone DJ0167F23 from 7p15, complete sequence.//0.14:326:61//AC004079
- 5 F-HEMBA1005815//M.musculus mRNA for skeletal muscle-specific calpain.//6.3e-10:706:59//X92523
- F-HEMBA1005822//Mouse Bac 291G16, WORKING DRAFT SEQUENCE, 19 unordered pieces.//0.87:417:56//AC003020
- F-HEMBA1005829//Homo sapiens Chromosome 22q11.2 Fosmid Clone f39e1 In DGCR Region, complete sequence.//8.8e-42:370:79//AC000094
- 10 F-HEMBA1005834//Human DNA sequence from clone 353H6 on chromosome Xq25-26.2. Contains the alternatively spliced SMARCA1 gene for SW1/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 1 (SNF2L1) and a 40S Ribosomal Protein S26 pseudogene. Contains ESTs, STSs and GSSs, complete sequence.//2.1e-42:690:67//AL022577
- F-HEMBA1005852//F.rubripes GSS sequence, clone 163A22aE9, genomic survey sequence.//4.3e-07:253:59//AL018749
- 15 F-HEMBA1005853//CIT-HSP-2289L23.TR CIT-HSP Homo sapiens genomic clone-2289L23, genomic survey sequence.//2.2e-68:333:99//B98952
- F-HEMBA1005884//Homo sapiens chromosome 5, BAC clone 78c6 (LBNL H191), complete sequence.//1.9e-57:331:87//AC005351
- 20 F-HEMBA1005891//Homo sapiens PAC clone DJ0997N05 from 7q11.23-q21.1, complete sequence.//5.1e-182:864:98//AC004945
- F-HEMBA1005894//Homo sapiens, WORKING DRAFT SEQUENCE, 52 unordered pieces.//3.0e-44:340:80//AC004086
- 25 F-HEMBA1005909//Homo sapiens DNA sequence from PAC 127D3 on chromosome 1q23-25. Contains FMO2 and FMO3 genes for Flavin-containing Monooxygenase 2 and Flavin-containing Monooxygenase 3 (Dimethylaniline Monooxygenase (N-Oxide 3, EC1.14.13.8, Dimethylaniline Oxidase 3, FMO II, FMO 3), and a gene for another, unknown, Flavin-containing Monooxygenase family protein. Contains ESTs and GSSs, complete sequence.//8.3e-12:828:57//AL021026
- F-HEMBA1005911//Human DNA sequence from clone 1158E12 on chromosome Xp11.23-11.4 Contains EST, STS, GSS, CpG island, complete sequence.//1.0e-44:328:77//AL031584
- 30 F-HEMBA1005921//Homo sapiens chromosome 17, clone hRPK.112\_H\_10, complete sequence.//1.3e-41:431:77//AC005666
- F-HEMBA1005931//Homo sapiens chromosome 12p13.3 clone RPCI4-761J14, WORKING DRAFT SEQUENCE, 60 unordered pieces.//1.1e-29:394:70//AC006086
- 35 F-HEMBA1005934//Homo sapiens PAC clone DJ1140G11 from 14q24.3, complete sequence.//8.1e-06:115:80//AC004974
- F-HEMBA1005962//RPCI11-17015.TV RPCI-11 Homo sapiens genomic clone RPCI-11-17015, genomic survey sequence.//9.5e-36:315:84//B82821
- 40 F-HEMBA1005963//HS\_3055\_A1\_E08\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3055 Col=15 Row=I, genomic survey sequence.//9.3e-73:372:97//AQ147357
- F-HEMBA1005990//Homo sapiens I-1 receptor candidate protein mRNA, complete cds.//1.3e-149:697:99//AF082516
- F-HEMBA1005991//Plasmodium falciparum chromosome 2, section 45 of 73 of the complete sequence.//6.3e-07:423:60//AE001408
- 45 F-HEMBA1005999//Homo sapiens chromosome 4 clone C0026P05 map 4P16, complete sequence.//3.8e-09:360:64//AC005599
- F-HEMBA1006002
- F-HEMBA1006005//Homo sapiens MLL (MLL) gene, exons 1-3, and partial cds.//4.5e-83:495:90//AF036405
- F-HEMBA1006031
- 50 F-HEMBA1006035
- F-HEMBA1006036//Human (lambda) DNA for immunoglobulin light chain.//2.4e-59:652:74//D87009
- F-HEMBA1006042//Homo sapiens chromosome 10 clone CIT987SK-1057L21 map 10q25, complete sequence.//2.1e-43:330:7011AC005386
- F-HEMBA1006067//Plasmodium falciparum 3D7 chromosome 12 PFYAC812 genomic sequence, WORKING DRAFT SEQUENCE, 8 unordered pieces.//0.11:433:59//AC004153
- 55 F-HEMBA1006081
- F-HEMBA1006090//, complete sequence.//4.5e-139:748:92//AC005500
- F-HEMBA1006091//Homo sapiens gene encoding telethonin, exons 1 to 2, partial.//0.0091:346:62//AJ011098

# EP 1 074 617 A2

- F-HEMBA1006100//Homo sapiens chromosome 10 clone CIT987SK-1143A11 map 10q25, complete sequence//2.8e-18:180:78//AC005880
- F-HEMBA1006108//Human DNA sequence from clone 889N15 on chromosome Xq22.1-22.3. Contains part of the gene for a novel protein similar to *X. laevis* Cortical Thymocyte-Marker CTX, the possibly alternatively spliced gene for 26S Proteasome subunit p28 (Ankyrin repeat protein), a novel gene and exons 36 through 45 of the COL4A6 for Collagen Alpha 6(IV). Contains ESTs, STSs, GSSs and a putative CpG island, complete sequence//0.26:84:71//AL031177
- F-HEMBA1006121//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 691N24, WORKING DRAFT SEQUENCE//5.2e-18:147:87//AL031672
- F-HEMBA1006124//CIT-HSP-2355B17.TF CIT-HSP Homo sapiens genomic clone 2355B17, genomic survey sequence//0.044:225:61//AQ058966
- F-HEMBA1006130//CIT-HSP-386A20.TF CIT-HSP Homo sapiens genomic clone 386A20, genomic survey sequence//8.8e-07:173:69//B55085
- F-HEMBA1006138//Homo sapiens DNA sequence from PAC 454M7 on chromosome Xq25-26.3. Contains the OCRL1 gene for Lowe Oculocerebrorenal Syndrome protein OCRL-1. Contains ESTs, STSs and GSSs, complete sequence//7.5e-22:164:75//AL022162
- F-HEMBA1006142//, complete sequence//7.9e-125:586:99//AC005500
- F-HEMBA1006155//H.sapiens CpG island DNA genomic MseI fragment, clone 119b6, forward read cpg119b6.ft1a//1.0:85:72//Z64428
- F-HEMBA1006158//Homo sapiens transcription factor forkhead-like 7 (FKHL7) gene, complete cds//1.1e-185:852:99//AF048693
- F-HEMBA1006173//striatum enriched phosphatase=protein-tyrosine-phosphatase [rat, striata, mRNA, 2815 nt]//8.4e-50:642:73//S49400
- F-HEMBA1006182//Homo sapiens Chromosome 15q26.1 PAC clone pDJ105i19, complete sequence//1.4e-22:194:74//AC005318
- F-HEMBA1006198
- F-HEMBA1006235//Homo sapiens clone 24422 mRNA sequence//2.6e-175:836:98//AF070557
- F-HEMBA1006248//Pinctada fucata mRNA for insoluble protein, complete cds//8.2e-05:359:61//D86074
- F-HEMBA1006252//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 531H16, WORKING DRAFT SEQUENCE//0.98:397:58//AL031664
- F-HEMBA1006253
- F-HEMBA1006259//HS\_2231\_A1\_D10\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2231 Col=19 Row=G, genomic survey sequence//1.2e-11:233:68//AQ152722
- F-HEMBA1006268//Homo sapiens Xp22-132-134 BAC GSHB-590J15 (Genome Systems Human BAC library) complete sequence//5.2e-27:156:85//AC004673
- F-HEMBA1006272//Human endogenous retrovirus gag mRNA//8.1e-115:847:80//X72791
- F-HEMBA1006278//Mus musculus poly(A) polymerase VI mRNA, complete cds//2.1e-57:665:70//U58134
- F-HEMBA1006283
- F-HEMBA1006284//Streptomyces fradiae tyactone synthase, starter module and modules 1-7, (tylG) gene, complete cds//9.6e-06:623:60//U78289
- F-HEMBA1006291//HS\_2208\_A1\_C03\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2208 Col=5 Row=E, genomic survey sequence//1.2e-13:105:92//AQ091804
- F-HEMBA1006293//Sequence 8 from patent US 5721351//5.6e-77:580:75//I89415
- F-HEMBA1006309//Caenorhabditis elegans cosmid F01F1//1.1e-21:420:63//U13070
- F-HEMBA1006310//Rattus norvegicus cytosolic sorting protein PACS-1a (PACS-1) mRNA, complete cds//6.8e-120:748:85//AF076183
- F-HEMBA1006328//Homo sapiens fragile X mental retardation protein (FMR-1) gene (6 alternative splices), complete cds//1.5e-46:485:73//L29074
- F-HEMBA1006334//HS-1051-B2-F01-MR.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 773 Col=2 Row=L, genomic survey sequence//0.0032:61:91//B40563
- F-HEMBA1006344//HS-1009-A2-B02-MF.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 331 Col=4 Row=C, genomic survey sequence//3.3e-09:218:66//B31420
- F-HEMBA1006347//Drosophila melanogaster males-absent on the first (mof) gene, complete cds//1.6e-31:484:68//U71219
- F-HEMBA1006349//HS-1054-A1-G06-MR.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 776 Col=11 Row=M, genomic survey sequence//5.4e-15:95:100//B41671
- F-HEMBA1006359//Human ZNF43 mRNA//1.4e-115:823:81//X59244
- F-HEMBA1006364//Mouse mRNA for transforming growth factor-beta2//2.7e-10:247:71//X57413

- F-HEMBA1006377//Mus musculus chromosome 7, clone 19K5, complete sequence.//3.0e-57:401:81//AC002327
- F-HEMBA1006380//CIT-HSP-2172K18.TF CIT-HSP Homo sapiens genomic clone 2172K18, genomic survey sequence.//1.3e-110:525:99//B92570
- 5 F-HEMBA1006381//HS-1045-B2-F10-MF.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 828 Col=20 Row=L, genomic survey sequence.//4.4e-05:163:70//B37813
- F-HEMBA1006398//Homo sapiens 12q24.2 BAC RPCI11-360E11 (Roswell Park Cancer Institute Human BAC Library) complete sequence.//3.8e-62:370:86//AC004806
- F-HEMBA1006416//Homo sapiens chromosome 5, P1 clone 1041F10 (LBNL H88), complete sequence.//3.7e-15:157:78//AC005179
- 10 F-HEMBA1006419//Human DNA sequence from clone 71L16 on chromosome Xp11. Contains a probable Zinc Finger protein (pseudo)gene, an unknown putative gene, a pseudogene with high similarity to part of antigen KI-67, a putative Chondroitin 6-Sulfotransferase LIKE gene and a KIAA0267 LIKE putative Na(+)/H(+) exchanger protein gene. Contains a predicted CpG island, ESTs, STSs and GSSs and genomic markers DXS1003 and DXS1055, complete sequence.//1.2e-39:752:63//AL022165
- 15 F-HEMBA1006421//Homo sapiens chromosome 14q24.3 clone BAC270M14 transforming growth factor-beta 3 (TGF-beta 3) gene, complete cds; and unknown genes.//2.4e-41:438:76//AF107885
- F-HEMBA1006424//Human DNA sequence from clone 51J12 on chromosome 6q26-27. Contains the 3' part of the alternatively spliced gene for the human orthologs of mouse QKI-7 and QKI-7B (KH Domain RNA Binding proteins) and zebrafish ZKQ-1 (Quaking protein homolog). Contains ESTs, STSs and GSSs, complete sequence.//0.027:293:64//AL031781
- 20 F-HEMBA1006426//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 292E10, WORKING DRAFT SEQUENCE.//1.7e-50:310:80//Z93930
- F-HEMBA1006438//Liverwort Marchantia polymorpha chloroplast genome DNA.//0.051:440:59//X04465
- F-HEMBA1006445//Felis catus ras p21 (H-ras) mRNA, partial cds.//1.0:238:59//U62088
- 25 F-HEMBA1006446//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from MAL1P6, WORKING DRAFT SEQUENCE.//2.4e-05:702:58//AL031749
- F-HEMBA1006461//Homo sapiens chromosome 19, cosmid R30676, complete sequence.//8.6e-55:409:83//AC004560
- F-HEMBA1006467//Homo sapiens chromosome 17, clone hRPK.346\_K\_10, complete sequence.//1.0:293:59//AC006120
- 30 F-HEMBA1006471//Plasmodium falciparum 3D7 chromosome 12 PFYAC1122 genomic sequence, WORKING DRAFT SEQUENCE, 3 unordered pieces.//1.4e-05:731:59//AC004709
- F-HEMBA1006474//CIT-HSP-2017H3.TF CIT-HSP Homo sapiens genomic clone 2017H3, genomic survey sequence.//5.2e-60:435:83//B54247
- 35 F-HEMBA1006483//Homo sapiens chromosome 5, BAC clone 8e5 (LBNL H167), complete sequence.//2.9e-48:286:84//AC004752
- F-HEMBA1006485//Homo sapiens BAC clone NH0044G14 from 7q11.23-21.1, complete sequence.//0.96:283:59//AC006031
- F-HEMBA1006486//Human DNA sequence from clone 353H6 on chromosome Xq25-26.2. Contains the alternatively spliced SMARCA1 gene for SW1/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 1 (SNF2L1) and a 40S Ribosomal Protein S26 pseudogene. Contains ESTs, STSs and GSSs, complete sequence.//1.8e-14:259:67//AL022577
- 40 F-HEMBA1006489//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 467K16, WORKING DRAFT SEQUENCE.//6.6e-11:595:61//AL031283
- 45 F-HEMBA1006492//Homo sapiens chromosome 17, clone hRPK.269\_G\_24, complete sequence.//6.0e-122:337:100//AC005828
- F-HEMBA1006494//Homo sapiens chromosome 7qtel0 BAC E3, complete sequence.//3.8e-23:459:68//AF093117
- F-HEMBA1006497//HS\_3023\_B2\_H03\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3023 Col=6 Row=P, genomic survey sequence.//2.3e-81:433:95//AQ093846
- 50 F-HEMBA1006502//H.sapiens 7SL repeat (clones 2-19b).//1.6e-13:86:87//X62364
- F-HEMBA1006507//Homo sapiens mRNA for KIAA0666 protein, partial cds.//2.3e-139:470:98//AB014566
- F-HEMBA1006521//Human BAC clone RG167B05 from 7q21, complete sequence.//4.3e-27:406:71//AC003991
- F-HEMBA1006530//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1018D12, WORKING DRAFT SEQUENCE.//2.9e-27:408:65//AL031650
- 55 F-HEMBA1006535//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from MAL4P1, WORKING DRAFT SEQUENCE.//0.028:599:60//AL034557
- F-HEMBA1006540//Homo sapiens multi PDZ domain protein MUPP1 (MUPP1) mRNA, complete cds.//1.4e-171:654:98//AF093419

# EP 1 074 617 A2

- F-HEMBA1006546//Human DNA sequence from cosmid 232L22, between markers DXS366 and DXS87 on chromosome X contains ESTs glycerol kinase pseudogene.//3.8e-104:811:80//Z73986
- F-HEMBA1006559//Mus musculus PRAJA1 (Praja1) mRNA, complete cds.//4.8e-99:386:82//U06944
- F-HEMBA1006562//Human fructose-1,6-biphosphatase (FBP1) gene, exon 1.//0.012:322:60//U21925
- 5 F-HEMBA1006566//Plasmodium falciparum 3D7 chromosome 12 PFYAC1383 genomic sequence, WORKING DRAFT SEQUENCE, 3 unordered pieces.//0.0026:580:58//AC005504
- F-HEMBA1006569//Ovis aries beta actin mRNA, complete cds.//6.3e-08:231:70//U39357
- F-HEMBA1006579//CIT-HSP-2380A22.TR CIT-HSP Homo sapiens genomic clone 2380A22, genomic survey sequence.//0.036:250:62//AQ197107
- 10 F-HEMBA1006583//Mycobacterium tuberculosis H37Rv complete genome; segment 143/162.//1.0:225:63//AL021841
- F-HEMBA1006595//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 30A23, WORKING DRAFT SEQUENCE.//3.6e-50:689:69//AL022156
- F-HEMBA1006597//Homo sapiens Chromosome 7 BAC Clone 239c10, WORKING DRAFT SEQUENCE, 9 unordered pieces.//1.9e-42:253:84//AC004166
- 15 F-HEMBA1006612//RPC111-88F20.TJ RPC111 Homo sapiens genomic clone R-88F20, genomic survey sequence.//1.1e-51:266:98//AQ286726
- F-HEMBA1006617//HS\_2193\_B2\_H07\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2193 Col=14 Row=P, genomic survey sequence.//1.1e-59:413:85//AQ299685
- 20 F-HEMBA1006624//Human DNA sequence from clone 406A7 on chromosome 6q23-24. Contains three pseudogenes similar to Elongation Factor 1-Alpha (EF-1-ALPHA, Statin S1), 60S Acidic Ribosomal Protein P1 and NADH-Ubiquinone Oxidoreductase 15 kDa subunit, and part of the Microtubule Associated Protein E-MAP-115 gene. Contains ESTs, STSs and GSSs, complete sequence.//1.4e-35:257:89//AL023284
- F-HEMBA1006631//Homo sapiens Chromosome 11q23 PAC clone pDJ356d6, complete sequence.//9.6e-112:800:83//AC002036
- 25 F-HEMBA1006635//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from MAL1P2, WORKING DRAFT SEQUENCE.//0.15:393:58//AL031745
- F-HEMBA1006639//Petromyzon marinus polyadenylate binding protein (PABP) mRNA, complete cds.//9.6e-15:318:68//AF032896
- 30 F-HEMBA1006643//Homo sapiens clone DJ0902E20, WORKING DRAFT SEQUENCE, 1 unordered pieces.//0.58:254:65//AC006148
- F-HEMBA1006648//Mus musculus integrin binding protein kinase mRNA, complete cds.//1.5e-37:108:88//U94479
- F-HEMBA1006652//Homo sapiens chromosome 5, BAC clone 343g16 (LBNL H180), complete sequence.//1.3e-154:671:96//AC005601
- 35 F-HEMBA1006653
- F-HEMBA1006659//Homo sapiens PAC clone DJ0905J08 from 7p12-p14, complete sequence.//5.2e-110:254:93//AC005189
- F-HEMBA1006665//Homo sapiens Xp22 BAC GSHB-590J6 (Genome Systems Human BAC library) complete sequence.//1.4e-14:177:76//AC004554
- 40 F-HEMBA1006674//Homo sapiens mRNA for nucleolar protein hNop56.//5.5e-15:122:90//Y12065
- F-HEMBA1006676//Homo sapiens chromosome 19, fosmid 37502, complete sequence.//0.098:218:63//AC004755
- F-HEMBA1006682//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 668J24, WORKING DRAFT SEQUENCE.//1.4e-05:719:57//AL034346
- 45 F-HEMBA1006695//Homo sapiens clone DJ0935K16, complete sequence.//3.1e-22:151:78//AC006011
- F-HEMBA1006696//CITBI-E1-2522D16.TF CITBI-E1 Homo sapiens genomic clone 2522D16, genomic survey sequence.//5.6e-17:324:66//AQ280738
- F-HEMBA1006708
- F-HEMBA1006709
- 50 F-HEMBA1006717//Homo sapiens clone GS308H05, WORKING DRAFT SEQUENCE, 6 unordered pieces.//3.3e-08:136:79//AC005537
- F-HEMBA1006737//Homo sapiens chromosome 17, clone hRPK.269\_G\_24, complete sequence.//5.8e-162:497:98//AC005828
- F-HEMBA1006744//Homo sapiens Chromosome 11p14.3 PAC clone pDJ1034g4, complete sequence.//7.4e-48:320:87//AC004796
- 55 F-HEMBA1006754//Human DNA sequence from PAC 82J11 and cosmid U134E6 on chromosome Xq22. Contains NIK like and Thyroxin-binding globulin precursor (T4-binding globulin, TBG) genes, ESTs and STSs.//4.1e-129:804:85//Z83850



# EP 1 074 617 A2

F-HEMBA1006758//Homo sapiens chromosome 5, BAC clone 182a8 (LBNL H161), complete sequence.//2.2e-162:766:99//AC005752

F-HEMBA1006767//Human Xq28 cosmid U247A3 from LLOXNC01 X chromosome library, complete sequence.//1.2e-19:326:69//U73465

5 F-HEMBA1006779//Human DNA sequence from clone 80119 on chromosome 6p21.31-22.2 Contains genes and pseudogenes for olfactory receptor-like proteins, STS, GSS, complete sequence.//1.4e-103:355:87//AL022727

F-HEMBA1006780//CIT-HSP-2359P7.TR CIT-HSP Homo sapiens genomic clone 2359P7, genomic survey sequence.//0.072:147:68//AQ077208

10 F-HEMBA1006789//nbxb0037113r CUGI Rice BAC Library Oryza sativa genomic clone nbxb0037113r, genomic survey sequence.//0.00011:288:63//AQ290474

F-HEMBA1006795//CIT-HSP-2307E3.TF CIT-HSP Homo sapiens genomic clone 2307E3, genomic survey sequence.//5.1e-80:420:96//AQ020511

F-HEMBA1006796//Human clone 23803 mRNA, partial cds.//4.5e-06:202:68//U79298

F-HEMBA1006807//Homo sapiens mRNA for SPOP.//1.2e-66:651:73//AJ000644

15 F-HEMBA1006821//Homo sapiens chromosome 17, clone hRPC.62\_O\_9, complete sequence.//6.0e-116:541:99//AC004797

F-HEMBA1006824//Homo sapiens chromosome 19, cosmid R29368, complete sequence.//0.40:159:66//AC004262

F-HEMBA1006832//Homo sapiens (subclone 3\_g8 from P1 H25) DNA sequence, complete sequence.//1.8e-24:323:71//AC002196

20 F-HEMBA1006849//Homo sapiens genomic DNA of 9q32 anti-oncogene of flat epithelium cancer, segment 4/10.//0.15:403:60//AB020872

F-HEMBA1006865//Plasmodium falciparum chromosome 2, section 6 of 73 of the complete sequence.//0.20:472:57//AE001369

25 F-HEMBA1006877//Mus musculus clone OST9241, genomic survey sequence.//3.4e-79:641:76//AF046757

F-HEMBA1006885//HS\_2208\_B2\_G06\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2208 Col=12 Row=N, genomic survey sequence.//4.9e-18:206:76//AQ089246

F-HEMBA1006900//Human DNA sequence from clone 496N17 on chromosome 6p11.2-12.3 Contains EST, GSS, complete sequence.//5.4e-07:298:65//AL031321

30 F-HEMBA1006914//S.pombe chromosome II cosmid c16H5.//0.00040:194:66//AL022104

F-HEMBA1006921//Homo sapiens BAC clone GS114I09 from 7p14-p15, complete sequence.//1.1e-174:813:99//AC006027

F-HEMBA1006926//Caenorhabditis elegans cosmid ZK185.//0.0075:183:65//AF036704

F-HEMBA1006929//P.falciparum complete gene map of plastid-like DNA (IR-A).//4.0e-06:739:57//X95275

35 F-HEMBA1006936

F-HEMBA1006938//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from MAL1P4, WORKING DRAFT SEQUENCE.//1.1e-05:733:57//AL031747

F-HEMBA1006941//Homo sapiens mRNA for putative thioredoxin-like protein.//1.3e-90:437:98//AJ010841

F-HEMBA1006949//Human DNA sequence from PAC 363L9 on chromosome X. contains STS and polymorphic CA repeat.//0.67:217:62//Z82205

40 F-HEMBA1006973//Homo sapiens rab3-GAP regulatory domain mRNA, complete cds.//5.6e-143:740:94//AF004828

F-HEMBA1006976//cDNA encoding alpha 2 to 3 sialyltransferase.//2.8e-101:338:89//E06058

F-HEMBA1006993//Homo sapiens BAC clone BK085E05 from 22q12.1-qter, complete sequence.//7.1e-31:536:66//AC003071

45 F-HEMBA1006996//Human DNA sequence from clone J428A131, WORKING DRAFT SEQUENCE.//9.5e-07:285:60//Z82209

F-HEMBA1007002//Genomic sequence for Arabidopsis thaliana BAC F20N2, complete sequence.//0.99:388:58//AC002328

50 F-HEMBA1007017//Sequence 3 from Patent WO9416067.//0.96:220:62//A39358

F-HEMBA1007018//G.gallus mRNA for dynein light chain-A.//1.3e-124:838:83//X79088

F-HEMBA1007045

F-HEMBA1007051//Caenorhabditis elegans cosmid Y57G11C, complete sequence.//0.17:343:60//Z99281

F-HEMBA1007052//Homo sapiens FSHD-associated repeat DNA, proximal region.//4.3e-67:659:74//U85056

55 F-HEMBA1007062//Tubulin gene.//1.0:113:67//A18572

F-HEMBA1007066//HS\_3116\_A2\_A03\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3116 Col=6 Row=A, genomic survey sequence.//0.80:214:62//AQ140467

F-HEMBA1007073//Homo sapiens 12q13 PAC RPC1-316M24 (Roswell Park Cancer Institute Human PAC library)

# EP 1 074 617 A2

complete sequence//9.3e-54:519:68//AC004242  
 F-HEMBA1007078//CIT-HSP-2318N6.TF CIT-HSP Homo sapiens genomic clone 2318N6, genomic survey sequence//8.7e-80:387:98//AQ044076  
 F-HEMBA1007080  
 5 F-HEMBA1007085//Streptomyces coelicolor cosmid 7A1//3.5e-06:496:59//AL034447  
 F-HEMBA1007087//Plasmodium falciparum MAL3P6, complete sequence//7.4e-07:553:56//Z98551  
 F-HEMBA1007112//HS\_2171\_A1\_B01\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2171 Col=1 Row=C, genomic survey sequence//1.0:172:61//AQ091865  
 F-HEMBA1007113//Human DNA sequence from clone 1044O17 on chromosome Xp11.3-11.4 Contains GSS and  
 10 STS, complete sequence//0.54:502:56//AL023875  
 F-HEMBA1007121//Caenorhabditis elegans cosmid ZK430//1.4e-08:265:64//U42833  
 F-HEMBA1007129//CITBI-E1-2504A5.TF CITBI-E1 Homo sapiens genomic clone 2504A5, genomic survey sequence//0.97:267:62//AQ264035  
 F-HEMBA1007147//HS\_3208\_A2\_C04\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3208 Col=8 Row=E, genomic survey sequence//9.1e-90:466:95//AQ176696  
 15 F-HEMBA1007149//Homo sapiens chromosome 19, cosmid F23149, complete sequence//6.0e-138:524:98//AC005239  
 F-HEMBA1007151//CITBI-E1-2522H6.TF CITBI-E1 Homo sapiens genomic clone 2522H6, genomic survey sequence//2.0e-20:157:87//AQ280780  
 20 F-HEMBA1007174//Homo sapiens epsin 2a mRNA, complete cds//2.0e-62:318:97//AF062085  
 F-HEMBA1007178//Homo sapiens chromosome 12p13.3 clone RPC11-372B4, WORKING DRAFT SEQUENCE, 129 ordered pieces//1.6e-21:205:80//AC005911  
 F-HEMBA1007194//HS\_3124\_B2\_H08\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3124 Col=16 Row=P, genomic survey sequence//1.3e-11:87:96//AQ187492  
 25 F-HEMBA1007203//Homo sapiens mRNA for KIAA0214 protein, complete cds//1.7e-156:478:98//D86987  
 F-HEMBA1007206//Homo sapiens chromosome 17, clone HRPC837J1, complete sequence//0.024:342:63//AC004223  
 F-HEMBA1007224//Homo sapiens mRNA for KIAA0797 protein, partial cds//5.0e-176:839:98//AB018340  
 F-HEMBA1007243//Chinese hamster hprt mRNA, complete cds//4.3e-58:687:68//J00060  
 30 F-HEMBA1007251//Rabbit troponin T messenger fragment (aa 49 to 129)//0.084:177:62//V00899  
 F-HEMBA1007256//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 328E19, WORKING DRAFT SEQUENCE//1.3e-75:490:88//AL022240  
 F-HEMBA1007267//HS\_3218\_A1\_F07\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3218 Col=13 Row=K, genomic survey sequence//2.9e-62:393:87//AQ181128  
 35 F-HEMBA1007273//CIT-HSP-2171B10.TF CIT-HSP Homo sapiens genomic clone 2171B10, genomic survey sequence//1.1e-63:314:99//B95401  
 F-HEMBA1007279//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-116A10, complete sequence//3.1e-31:401:72//AC004638  
 F-HEMBA1007281//HS\_3115\_A1\_A11\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3115 Col=21 Row=A, genomic survey sequence//5.0e-70:372:96//AQ186691  
 40 F-HEMBA1007288//Human DNA sequence from clone 422G23 on chromosome 6q24 Contains EST, STS, GSS, CpG island, complete sequence//1.2e-152:727:98//AL031003  
 F-HEMBA1007300//Canis familiaris PDE5 mRNA for 3',5'-Cyclic GMP Phosphodiesterase, complete cds//2.1e-21:542:63//AB008467  
 45 F-HEMBA1007301//COL1A1=type I collagen pro alpha 1(I) chain propeptide {3' region} [human, fetal cells 86-237, 86-146, 88-251, mRNA Partial Mutant, 855 nt]//1.7e-08:388:61//S64596  
 F-HEMBA1007319//Genomic sequence from Mouse 9, complete sequence//6.0e-84:390:75//AC000399  
 F-HEMBA1007320  
 F-HEMBA1007322//Homo sapiens BAC clone RG118E13 from 7p15-p21, complete sequence//0.091:260:64//AC004485  
 50 F-HEMBA1007327//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-420 genomic sequence, WORKING DRAFT SEQUENCE, 14 unordered pieces//0.12:472:59//AC005140  
 F-HEMBA1007341//Homo sapiens chromosome 17, clone hRPK.346\_K\_10, complete sequence//1.5e-18:408:64//AC006120  
 55 F-HEMBA1007342//Homo sapiens clone DJ1136G02, WORKING DRAFT SEQUENCE, 4 unordered pieces//8.7e-25:500:62//AC005377  
 F-HEMBA1007347//Homo sapiens chromosome 5, BAC clone 7g12 (LBNL H126), complete sequence//0.75:269:61//AC005738

- F-HEM BB1000005//Homo sapiens chromosome Y, clone 264,M,20, complete sequence.//5.0e-05:441:60//AC004617
- F-HEM BB1000008//Homo sapiens BAC clone RG139P11 from 7q11-q21, complete sequence.//1.0e-44:417:77//AC004491
- 5 F-HEM BB1000018//HS\_2179\_B2\_E04\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2179 Col=8 Row=J, genomic survey sequence.//0.012:87:77//AQ023250
- F-HEM BB1000024//Human DNA sequence from PAC 106I20 on chromosome 22q12-qter contains NADH pseudogene, ESTs, STS.//8.1e-11:461:61//Z81369
- 10 F-HEM BB1000025//CIT-HSP-2348F3.TR CIT-HSP Homo sapiens genomic clone 2348F3, genomic survey sequence.//0.96:198:62//AQ062938
- F-HEM BB1000030//Homo sapiens DNA sequence from PAC 32F7 on chromosome X. Contains NUCLEOSOME ASSEMBLY PROTEIN 1-LIKE 3, ESTs.//0.00049:276:64//AL009173
- F-HEM BB1000036//H.sapiens chromosome 22 CpG island DNA genomic MseI fragment, clone 302e2, reverse read 302e2.r.//0.0057:66:81//Z79857
- 15 F-HEM BB1000037//Homo sapiens erythroblast macrophage protein EMP mRNA, complete cds.//1.9e-100:450:98//AF084928
- F-HEM BB1000039//HS\_2167\_B1\_F12\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2167 Col=23 Row=L, genomic survey sequence.//0.022:108:69//AQ092404
- 20 F-HEM BB1000044//Borrelia burgdorferi (section 50 of 70) of the complete genome.//1.0e-07:486:61//AE001164
- F-HEM BB1000048//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-628 genomic sequence, WORKING DRAFT SEQUENCE, 9 unordered pieces.//5.3e-05:585:58//AC005507
- F-HEM BB1000050//Homo sapiens DNA sequence from clone 501N12 on chromosome 6p22.1-22.3 Contains a gene almost identical to four genes of unknown function, a pseudogene, three (pseudo?) genes similar to genes of unknown function, an unknown gene similar to a rat EST, a PX19 LIKE pseudogene and another unknown gene.
- 25 Contains ESTs, STSs and GSSs, complete sequence.//5.8e-38:549:67//AL022170
- F-HEM BB1000054//Homo sapiens Xp22 PAC RPC11-167A22 (from Roswell Park Cancer Center) complete sequence.//7.0e-98:328:83//AC002349
- F-HEM BB1000055//Homo sapiens genomic DNA for centromeric end of MHC class I region on chromosome 6, cosmid clone: TY2F10, WORKING DRAFT SEQUENCE.//3.7e-05:600:58//AB000880
- 30 F-HEM BB1000059//Homo sapiens clone RG339C12, WORKING DRAFT SEQUENCE, 10 unordered pieces.//1.3e-48:472:78//AC005096
- F-HEM BB1000083
- F-HEM BB1000089//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from MAL1P1, WORKING DRAFT SEQUENCE.//0.0036:679:56//AL031744
- 35 F-HEM BB1000099//Homo sapiens chromosome 18 BAC RPC11-128D14 (Roswell Park Cancer Institute Human BAC Library) complete sequence.//1.1e-15:312:68//AC005909
- F-HEM BB1000103//Homo sapiens Xp22-150 BAC GSHB-309P15 (Genome Systems Human BAC Library) complete sequence.//1.0e-37:316:74//AC006210
- 40 F-HEM BB1000113//Homo sapiens chromosome 21q22.3 cosmid Q11M15, complete sequence.//3.1e-25:259:76//AF045450
- F-HEM BB1000119//Homo sapiens ASMTL gene.//1.2e-137:654:98//Y15521
- F-HEM BB1000136//Mycobacterium tuberculosis H37Rv complete genome; segment 127/162.//0.59:217:66//Z74697
- 45 F-HEM BB1000141//Homo sapiens DNA from chromosome 19q13.1 cosmid f14121 containing ATP4A and GADPH-2 genes, genomic sequence.//8.4e-31:113:88//AD000090
- F-HEM BB1000144//Human BAC clone RG114A06 from 7q31, complete sequence.//4.4e-58:339:87//AC002542
- F-HEM BB1000173//Homo sapiens 12q24 BAC RPC11-162P23 (Roswell Park Cancer Institute Human BAC library) complete sequence.//9.4e-160:562:93//AC002996
- 50 F-HEM BB1000175
- F-HEM BB1000198//HS\_3071\_A2\_A10\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3071 Col=20 Row=A, genomic survey sequence.//0.99:261:61//AQ137388
- F-HEM BB1000215//Homo sapiens chromosome 17, clone hRPK.481\_C\_4, complete sequence.//6.7e-17:138:86//AC005839
- 55 F-HEM BB1000217//Arabidopsis thaliana ubiquitin activating enzyme (UBA1) gene, complete cds.//0.00083:287:60//U80808
- F-HEM BB1000218//Caenorhabditis elegans cosmid C52A11, complete sequence.//0.90:337:56//Z46792
- F-HEM BB1000226//Human DNA sequence from cosmid RJ14 from a contig from the tip of the short arm of chromosome 16, spanning 2Mb of 16p13.3. Contains ESTs and CpG island.//1.7e-90:175:92//Z69890

# EP 1 074 617 A2

- F-HEM BB1000240//Human G-protein-coupled inwardly rectifying potassium channel (KCNJ3) gene, polymorphic repeat sequence.//0.16:171:62//U07918
- F-HEM BB1000244//Homo sapiens clone DJ1129E22, WORKING DRAFT SEQUENCE, 7 unordered pieces.//4.8e-08:355:63//AC005522
- 5 F-HEM BB1000250//Homo sapiens protein associated with Myc mRNA, complete cds.//6.6e-155:735:98//AF075587
- F-HEM BB1000258//Human adenosine monophosphate deaminase 1 (AMPD1) gene, exons 1-16.//0.58:396:59//M98818
- 10 F-HEM BB1000264//Human clone C3 CHL1 protein (CHLR1) mRNA, alternatively spliced, complete cds.//4.4e-32:100:100//U75968
- F-HEM BB1000266//Homo sapiens Xp22 BAC GSHB-433024 (Genome Systems Human BAC library) complete sequence.//3.8e-16:176:78//AC004470
- F-HEM BB1000272//Plasmodium falciparum chromosome 2, section 6 of 73 of the complete sequence.//0.011:379:58//AE001369
- 15 F-HEM BB1000274//Arabidopsis thaliana DNA chromosome 4, BAC clone T5K18 (ESSAll project).//0.92:272:61//AL022580
- F-HEM BB1000284//Human Xp22 BAC CT-285I15 (from CalTech/Research Genetics) , PAC RPC11-27C22 (from Roswell Park Cancer Center), and Cosmid U35B5 (from Lawrence Livermore), complete sequence.//0.00071:568:57//AC002366
- 20 F-HEM BB1000307//Human DNA sequence from PAC 29K1 on chromosome 6p21.3-22.2. Contains glutathione peroxidase-like; zinc finger, ESTs, mRNA, STS, tRNAs, olfactory receptor pseudogene.//3.0e-13:439:65//Z98745
- F-HEM BB1000312//Homo sapiens clone GS051M12, complete sequence.//0.031:252:65//AC005007
- F-HEM BB1000317//Fugu rubripes GSS sequence, clone 060J22aE10, genomic survey sequence.//0.00033:173:65//AL026242
- 25 F-HEM BB1000318//HS\_3244\_B2\_H10\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3244 Col=20 Row=P, genomic survey sequence.//3.9e-85:438:95//AQ252951
- F-HEM BB1000335//Homo sapiens chromosome 18, clone hRPK.24\_A\_23, complete sequence.//0.63:285:61//AC005968
- F-HEM BB1000336
- 30 F-HEM BB1000337//Homo sapiens chromosome 4 clone B208G5 map 4q25, complete sequence.//0.0014:309:64//AC004051
- F-HEM BB1000338//HS\_3108\_A2\_F07\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3108 Col=14 Row=K, genomic survey sequence.//3.8e-09:331:63//AQ140356
- F-HEM BB1000339//Homo sapiens 12q24 PAC RPC11-46F2 (Roswell Park Cancer Institute Human PAC library) complete sequence.//1.2e-52:295:77//AC002351
- 35 F-HEM BB1000341
- F-HEM BB1000343//Plasmodium falciparum MAL3P3, complete sequence.//0.00081:397:61//Z98547
- F-HEM BB1000354//Human DNA sequence from clone 192P9 on chromosome Xp11.23-11.4. Contains a pseudogene similar to rat Plasmolipin, ESTs and GSSs, complete sequence.//9.1e-34:596:66//AL020989
- 40 F-HEM BB1000369//Genomic sequence from Human 17, complete sequence.//0.012:298:60//AC002090
- F-HEM BB1000374//Human Xp22 contig of 3 PACS (R7-39D12, R7-134G1, R7-185L21) from the Roswell Park Cancer Institute, complete sequence.//9.3e-69:294:89//U96409
- F-HEM BB1000376//Human DNA sequence from clone 751H9 on chromosome 6q13. Contains part of an unknown gene, ESTs, STSs and GSSs, complete sequence.//3.5e-54:352:88//AL034377
- 45 F-HEM BB1000391//Trichothecium roseum internal transcribed spacer 1, 5.8S ribosomal RNA gene; and internal transcribed spacer 2, complete sequence.//0.011:168:67//U51982
- F-HEM BB1000399//Homo sapiens Rad17-like protein (RAD17) mRNA, complete cds.//2.6e-163:762:98//AF076838
- F-HEM BB1000402//Homo sapiens Xq28 BAC PAC and cosmid clones containing FMR2 gene exons 1,2, and 3, complete sequence.//7.7e-15:466:63//AC002368
- 50 F-HEM BB1000404//Homo sapiens mRNA for myosin-IXA.//3.5e-65:324:98//AJ001714
- F-HEM BB1000420//244Kb Contig from Human Chromosome 11p15.5 spanning D11S1 through D11S25, complete sequence.//0.013:399:62//AC001228
- F-HEM BB1000434//Homo sapiens PAC clone 278C19 from 12q, complete sequence.//6.1e-83:571:84//AC004263
- 55 F-HEM BB1000438//RPC11-21E14.TP RPCI-11 Homo sapiens genomic clone RPCI-11-21E14, genomic survey sequence.//0.0030:295:63//B83110
- F-HEM BB1000441//Homo sapiens Chromosome 22q12 Cosmid Clone ll47g11, complete sequence.//2.5e-33:372:72//AC000035

- F-HEM BB1000449//Human DNA sequence from PAC 296K21 on chromosome X contains cyto keratin exon, delta-aminolevulinate synthase (erythroid); 5-aminolevulinic acid synthase.(EC 2.3.1.37). 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase (EC 2.7.1.105, EC 3.1.3.46), ESTs and STS.//1.3e-51:534:72//Z83821
- 5 F-HEM BB1000455//Saccharomyces cerevisiae mitochondrion origin of replication (ori6) and oli1 gene, complete cds.//0.016:522:58//L36899
- F-HEM BB1000472
- F-HEM BB1000480
- F-HEM BB1000487//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 128O3, WORKING DRAFT SEQUENCE.//0.00013:314:64//Z98742
- 10 F-HEM BB1000490//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1185N5, WORKING DRAFT SEQUENCE.//4.1e-110:529:98//AL034423
- F-HEM BB1000491//Plasmodium falciparum chromosome 2, section 25 of 73 of the complete sequence.//0.10:187:65//AE001388
- F-HEM BB1000493//Human DNA sequence from clone 353H6 on chromosome Xq25-26.2. Contains the alternatively spliced SMARCA1 gene for SW1/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 1 (SNF2L1) and a 40S Ribosomal Protein S26 pseudogene. Contains ESTs, STSs and GSSs, complete sequence.//3.7e-06:637:58//AL022577
- 15 F-HEM BB1000510//Homo sapiens chromosome 17, clone hRPK.112\_J\_9, complete sequence.//3.1e-96:737:81//AC005553
- 20 F-HEM BB1000518//Homo Sapiens Chromosome X clone bWXD171, WORKING DRAFT SEQUENCE, 1 ordered pieces.//0.00014:163:68//AC004676
- F-HEM BB1000523//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 3-105, complete sequence.//0.41:349:56//AL010212
- F-HEM BB1000530//H.sapiens mRNA for extracellular matrix protein collagen type XIV, C-terminus.//6.6e-37:138:96//Y11710
- 25 F-HEM BB1000550//Homo sapiens genomic DNA of 8p21.3-p22 anti-oncogene of hepatocellular colorectal and non-small cell lung cancer , segment 3/11.//3.9e-56:683:71//AB020860
- F-HEM BB1000554//Homo sapiens \*\*\* SEQUENCING IN PROGRESS \*\*\* , WORKING DRAFT SEQUENCE.//2.2e-51:282:84//AJ011929
- 30 F-HEM BB1000556//Homo sapiens mRNA for KIAA0750 protein, complete cds.//6.1e-32:537:65//AB018293
- F-HEM BB1000564
- F-HEM BB1000573//Homo sapiens clone RG228D17, WORKING DRAFT SEQUENCE, 2 unordered pieces.//8.2e-33:268:73//AC005077
- F-HEM BB1000575//Human DNA sequence from clone 323M22 on chromosome 22q13.1-13.2. Contains the 5' part of the human ortholog of chicken P52 and mouse H74, and a novel gene coding for a protein similar to KIAA0173 and worm Tubulin Tyrosine Ligase. Contains ESTs, STSs, GSSs, genomic marker D22S418 and putative CpG islands, complete sequence.//5.8e-47:734:66//AL022476
- 35 F-HEM BB1000586//H.sapiens highly polymorphic microsatellite DNA.//0.030:147:67//X79883
- F-HEM BB1000589//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-279B10, complete sequence.//6.3e-41:278:83//AC002300
- 40 F-HEM BB1000591//Homo sapiens Xp22 bins 45-47 BAC GSHB-665N22 (Genome Systems Human BAC Library) complete sequence.//1.1e-182:871:98//AC005184
- F-HEM BB1000592//Hepatitis C virus genomic RNA, 3' nontranslated region, partial sequence. clone #19.//0.012:185:64//AF009074
- 45 F-HEM BB1000593//Homo sapiens chromosome 7q22 sequence, complete sequence.//1.2e-131:353:93//AF053356
- F-HEM BB1000598//Homo sapiens 12p13.3 BAC RPC13-488H23 (Roswell Park Cancer Institute Human BAC Library) complete sequence.//9.1e-58:600:72//AC006207
- F-HEM BB1000623//cDNA encoding Coliolum manganese peroxidase.//0.89:284:62//E12284
- 50 F-HEM BB1000630//Mus musculus clone NSAT47 nonsatellite RNA sequence.//1.9e-15:129:87//U26231
- F-HEM BB1000631//Sequence 26 from patent US 5708157.//3.2e-27:180:88//I80057
- F-HEM BB1000632//Human mRNA for KIAA0351 gene, complete cds.//1.6e-48:811:65//AB002349
- F-HEM BB1000637//Homo sapiens clone DJ0425102, WORKING DRAFT SEQUENCE, 5 unordered pieces.//4.1e-58:649:73//AC005478
- 55 F-HEM BB1000638//HS\_3051\_A1\_G01\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3051 Col=1 Row=M, genomic survey sequence.//0.0032:497:56//AQ155234
- F-HEM BB1000643//Homo sapiens clone RG228D17, WORKING DRAFT SEQUENCE, 2 unordered pieces.//2.4e-50:791:68//AC005077

- F-HEMBB1000649//Homo sapiens Chromosome 16 BAC clone CIT987-SK502C10, complete sequence//5.2e-64:775:69//AC003009
- F-HEMBB1000652//Homo sapiens chromosome 10 clone CRI-JC2048 map 10q22.1, WORKING DRAFT SEQUENCE, 4 unordered pieces//2.7e-52:334:89//AC006186
- 5 F-HEMBB1000665//Human DNA sequence from clone 452M16 on chromosome Xq21.1-21.33 Contains capping protein alpha subunit isoform 1 pseudogene, STS, GSS, and CA repeat, complete sequence//0.0062:426:60//AL024493
- F-HEMBB1000671//Human DNA sequence from PAC 93H18 on chromosome 6 contains ESTs heterochromatin protein HP1Hs-gamma pseudogene, STS and CpG island//9.6e-95:399:78//Z84488
- 10 F-HEMBB1000673//HS\_3039\_A2\_C08\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3039 Col=16 Row=E, genomic survey sequence//3.8e-50:293:92//AQ155121
- F-HEMBB1000684//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 222E13, WORKING DRAFT SEQUENCE//8.0e-65:282:83//Z93241
- F-HEMBB1000693//Homo sapiens neuroan1 mRNA, complete cds//1.6e-118:575:97//AF040723
- 15 F-HEMBB1000705//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-628 genomic sequence, WORKING DRAFT SEQUENCE, 9 unordered pieces//8.6e-07:251:61//AC005507
- F-HEMBB1000706//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 153G14, WORKING DRAFT SEQUENCE//2.9e-20:434:64//AL031118
- F-HEMBB1000709//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 994L9, WORKING DRAFT SEQUENCE//0.26:184:65//AL034554
- 20 F-HEMBB1000725//Rattus norvegicus GTPase Rab8b (Rab8b) mRNA, complete cds//1.8e-129:692:93//U53475
- F-HEMBB1000726//Human Chromosome 16 BAC clone CIT987SK-A-363E6, complete sequence//2.7e-40:304:80//U91321
- F-HEMBB1000738//Human Xq28 cosmids U126G1, U142F2, U69B6, U145C10, U169A5, U84H1, U24D12, U80A7, U153E6, L35485, and R7-163A8 containing iduronate 2-sulfatase gene and pseudogene, complete sequence//8.9e-35:582:63//AF011889
- 25 F-HEMBB1000749//Homo sapiens chromosome 11 clone CIT-HSP-1337H24, WORKING DRAFT SEQUENCE, 9 unordered pieces//6.2e-46:262:89//AC005849
- F-HEMBB1000763//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 537K23, WORKING DRAFT SEQUENCE//1.6e-99:316:98//AL034405
- 30 F-HEMBB1000770//Human DNA sequence from clone 80119 on chromosome 6p21.31-22.2 Contains genes and pseudogenes for olfactory receptor-like proteins, STS, GSS, complete sequence//0.044:325:60//AL022727
- F-HEMBB1000774
- F-HEMBB1000781//Sequence 3 from patent US 5753446//1.2e-92:599:86//AR008277
- 35 F-HEMBB1000789//Homo sapiens mRNA for KIAA0677 protein, complete cds//9.3e-64:672:71//AB014577
- F-HEMBB1000790//Homo sapiens 12q13.1 PAC RPC11-228P16 (Roswell Park Cancer Institute Human PAC Library) complete sequence//2.4e-41:460:74//AC004801
- F-HEMBB1000794//HS\_3034\_B2\_D12\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3034 Col=24 Row=H, genomic survey sequence//1.8e-74:378:97//AQ117099
- 40 F-HEMBB1000807//H.sapiens CpG island DNA genomic Mse1 fragment, clone 39d7, reverse read cpg39d7.rt1a//8.5e-14:95:97//Z58412
- F-HEMBB1000810//H.sapiens chromosome 22 CpG island DNA genomic Mse1 fragment, clone 303a8, complete read//3.2e-05:138:71//Z79983
- F-HEMBB1000821//HS\_2168\_B1\_A12\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2168 Col=23 Row=B, genomic survey sequence//0.85:208:60//AQ086361
- 45 F-HEMBB1000822//Human BAC clone GS113H23 from 5p15.2, complete sequence//3.0e-06:361:60//AC003015
- F-HEMBB1000826//Human BAC clone RG180F08 from 7q31, complete sequence//1.1e-27:360:69//AC002431
- F-HEMBB1000827
- F-HEMBB1000831
- 50 F-HEMBB1000835//Human DNA sequence from clone 4514 on chromosome 6q24.1-24.3. Contains two putative unknown genes, ESTs, STSs and GSSs, complete sequence//0.00098:234:63//AL023581
- F-HEMBB1000840//Human Chromosome 11 Cosmid cSRL97a6, complete sequence//4.5e-61:328:79//U73649
- F-HEMBB1000848//Homo sapiens DNA sequence from PAC 206D15 on chromosome 1q24. Contains a Reduced Folate Carrier protein (RFC) LIKE gene, a mitochondrial ATP Synthetase protein 8 (ATP8, MTATP8) LIKE pseudogene, an unknown gene and the last exon of the JEM1 gene coding for the Basic-Leucine Zipper nuclear factor JEM-1. Contains ESTs, an STS and a BAC end sequence (GSS), complete sequence//9.7e-144:809:87//AL021068
- 55 F-HEMBB1000852//Plasmodium falciparum 3D7 chromosome 12 PFYAC293 genomic sequence, WORKING

# EP 1 074 617 A2

DRAFT SEQUENCE, 9 unordered pieces.//0.12:492:58//AC004157  
 F-HEM BB1000870//Plasmodium falciparum 3D7 chromosome 12 PFYAC293 genomic sequence, WORKING  
 DRAFT SEQUENCE, 9 unordered pieces.//0.0024:212:67//AC004157  
 F-HEM BB1000876//Homo sapiens ELISC-1 mRNA, partial cds.//1.5e-32:200:94//AF085351  
 5 F-HEM BB1000883//HS\_3065\_B2\_C04\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3065 Col=8 Row=F, genomic survey sequence.//0.0017:152:66//AQ137687  
 F-HEM BB1000887  
 F-HEM BB1000888//CIT-HSP-2329A10.TR CIT-HSP Homo sapiens genomic clone 2329A10, genomic survey se-  
 quence.//1.5e-31:172:98//AQ044369  
 10 F-HEM BB1000890  
 F-HEM BB1000893//Plasmodium falciparum MAL3P2, complete sequence.//9.5e-06:768:56//AL034558  
 F-HEM BB1000908//Homo sapiens clone DJ1119N05, complete sequence.//4.5e-21:199:82//AC004968  
 F-HEM BB1000910//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from MAL4P1, WORKING  
 DRAFT SEQUENCE.//0.72:366:59//AL034557  
 15 F-HEM BB1000913//HS\_3078\_B1\_C02\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3078 Col=3 Row=F, genomic survey sequence.//9.9e-12:221:63//AQ144507  
 F-HEM BB1000915//Homo sapiens DNA for (CGG)<sub>n</sub> trinucleotide repeat region, isolate P4.//1.2e-49:252:99//  
 AJ001215  
 F-HEM BB1000917//Homo sapiens chromosome 5, P1 clone 254f11 (LBNL H62), complete sequence.//2.3e-42:  
 20 316:76//AC006077  
 F-HEM BB1000927//Human BDR-2 mRNA for hippocalcin, complete cds.//3.6e-30:528:65/D16593  
 F-HEM BB1000947//CpG0856B CplOWAgDNA1 Cryptosporidium parvum genomic, genomic survey sequence.//  
 0.81:262:62//AQ254493  
 F-HEM BB1000959//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 346O6, WORKING  
 25 DRAFT SEQUENCE.//1.2e-43:454:75//Z84487  
 F-HEM BB1000973//Mus musculus schlafen2 (Slfn2) mRNA, complete cds.//8.3e-42:458:72//AF099973  
 F-HEM BB1000975//Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MBK5, complete sequence.//  
 0.98:196:63//AB005234  
 F-HEM BB1000981  
 30 F-HEM BB1000985//Homo sapiens chromosome 19, cosmid R29388, complete sequence.//2.9e-06:566:57//  
 AC004476  
 F-HEM BB1000991//Human DNA sequence from PAC 238J17 on chromosome 6q22. Contains EST and STS.//  
 0.099:391:57//Z98753  
 F-HEM BB1000996//Human DNA sequence from BAC 999D10 on chromosome 22q13.3. Contains two BAC end-  
 35 sequences (GSSs).//6.2e-33:227:80//Z94802  
 F-HEM BB1001004  
 F-HEM BB1001008//Human Chromosome 16 BAC clone CIT987SK-A-951C11, complete sequence.//4.0e-13:164:  
 79//AC002551  
 F-HEM BB1001011//Human Chromosome 16 BAC clone CIT987SK-A-635H12, complete sequence.//7.5e-13:229:  
 40 69//AC002310  
 F-HEM BB1001014//Homo sapiens chromosome 16, BAC clone 375G12 (LANL), complete sequence.//0.32:474:  
 58//AC005751  
 F-HEM BB1001020//Homo sapiens BAC clone 255A7 from 8q21 containing NBS1 gene, complete sequence.//  
 2.6e-39:218:80//AF069291  
 45 F-HEM BB1001024//Homo sapiens BAC clone 393I22 from 8q21, complete sequence.//5.3e-05:656:59//AF070717  
 F-HEM BB1001037//CIT-HSP-2358K16.TF CIT-HSP Homo sapiens genomic clone 2358K16, genomic survey se-  
 quence.//6.6e-05:228:64//AQ080539  
 F-HEM BB1001047//Homo sapiens cosmids Qc14E2, Qc12H12, Qc11F9, Qc10G9, LA1733 and Qc17B8 from  
 Xq28, complete sequence.//4.0e-27:385:71//U82671  
 50 F-HEM BB1001051//H.sapiens mRNA for FAN protein.//1.2e-27:160:98//X96586  
 F-HEM BB1001056//Homo sapiens clone DJ0953A04, WORKING DRAFT SEQUENCE, 5 unordered pieces.//  
 2.3e-89:180:91//AC006014  
 F-HEM BB1001058//Homo sapiens 3p22-8 PAC RPCI4-736H12 (Roswell Park Cancer Institute Human PAC Li-  
 brary) complete sequence.//1.2e-41:468:74//AC006060  
 55 F-HEM BB1001060//Human Tigger1 transposable element, complete consensus sequence.//4.3e-122:785:86//  
 U49973  
 F-HEM BB1001063//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 523G1, WORKING  
 DRAFT SEQUENCE.//7.1e-162:770:99//AL034375

- F-HEM BB1001068//Homo sapiens liprin-beta2 mRNA, partial cds//3.1e-146:736:95//AF034803
- F-HEM BB1001096//Buchnera aphidicola genomic fragment containing (chaperone Hsp60) groEL, DNA biosynthesis initiating protein (dnaA), ATP operon (atpCDGAHFEB), and putative chromosome replication protein (gidA) genes, complete cds; and termination factor Rho (rho) gene, partial cds//0.00088:690:57//AF008210
- 5 F-HEM BB1001102//Homo sapiens huntingtin interacting protein HYPH mRNA, partial cds//2.1e-76:368:99//AF049612
- F-HEM BB1001105//CIT-HSP-2185N1.TR CIT-HSP Homo sapiens genomic clone 2185N1, genomic survey sequence//1.0e-09:136:76//AQ002987
- F-HEM BB1001112//Rattus rattus sec61 homologue mRNA, complete cds//1.0e-108:909:76//M96630
- 10 F-HEM BB1001114//Homo sapiens chromosome 17, clone hRPK.795\_F\_17, complete sequence//7.2e-07:459:59//AC005284
- F-HEM BB1001117//HS\_2178\_B1\_E12\_MR CIT Approved-Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2178 Col=23 Row=J, genomic survey sequence//7.8e-50:331:86//AQ068244
- F-HEM BB1001119//Human collagen type XII alpha-1 precursor (COL12A1) mRNA, complete cds//1.6e-25:150:98//U73778
- 15 F-HEM BB1001126
- F-HEM BB1001133//Homo sapiens Xp22-132-134 BAC GSHB-590J15 (Genome Systems Human BAC library) complete sequence//2.8e-24:228:80//AC004673
- F-HEM BB1001137
- 20 F-HEM BB1001142//Homo sapiens chromosome Y, clone 264,M,20, complete sequence//1.0e-40:231:76//AC004617
- F-HEM BB1001151//Rattus norvegicus golgi peripheral membrane protein p65 (GRASP65) mRNA, complete cds//2.9e-47:640:67//AF015264
- F-HEM BB1001153//CIT-HSP-2359K11.TR CIT-HSP Homo sapiens genomic clone 2359K11, genomic survey sequence//0.76:136:67//AQ075724
- 25 F-HEM BB1001169//Human DNA sequence from PAC 84F12 on chromosome Xq25-Xq26.3. Contains glypican-3 precursor (intestinal protein OCI-5) (GTR2-2), ESTs and CA repeat//9.9e-63:259:79//AL008712
- F-HEM BB1001175//Human mRNA for ankyrin motif, complete cds//2.2e-34:509:66//D78334
- F-HEM BB1001177//CIT-HSP-2321I17.TR CIT-HSP Homo sapiens genomic clone 2321I17, genomic survey sequence//5.9e-27:320:75//AQ036473
- 30 F-HEM BB1001182//RPCI11-30J5.TV RPCI-11 Homo sapiens genomic clone RPCI-11-30J5, genomic survey sequence//5.7e-06:62:96//B85188
- F-HEM BB1001199
- F-HEM BB1001208//HS\_2026\_B1\_C07\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2026 Col=13 Row=F, genomic survey sequence//0.00018:134:70//AQ229237
- 35 F-HEM BB1001209//CITBI-E1-2521F23.TF CITBI-E1 Homo sapiens genomic clone 2521F23, genomic survey sequence//1.4e-95:464:98//AQ278357
- F-HEM BB1001210//HS\_3102\_A2\_F09\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3102 Col=18 Row=K, genomic survey sequence//2.6e-90:446:98//AQ119196
- 40 F-HEM BB1001218//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 796F18, WORKING DRAFT SEQUENCE//1.0e-31:315:72//AL031291
- F-HEM BB1001221//Plasmodium falciparum 3D7 chromosome 12 PFYAC1383 genomic sequence, WORKING DRAFT SEQUENCE, 3 unordered pieces//9.7e-17:770:59//AC005504
- F-HEM BB1001234//H.sapiens CpG island DNA genomic Mse1 fragment, clone 39f9, forward read cpg39f9.ft1e//4.0e-30:171:97//Z65435
- 45 F-HEM BB1001242//Homo sapiens mRNA for LAK-1, complete cds//3.8e-30:458:67//AB005754
- F-HEM BB1001249//CIT-HSP-2375N19.TF CIT-HSP Homo sapiens genomic clone 2375N19, genomic survey sequence//0.0076:250:63//AQ109087
- F-HEM BB1001253//Homo sapiens genomic DNA, chromosome 21q11.1, segment 3/28, WORKING DRAFT SEQUENCE//0.0097:89:80//AP000032
- 50 F-HEM BB1001254//CIT-HSP-2320E5.TF CIT-HSP Homo sapiens genomic clone 2320E5, genomic survey sequence//3.7e-54:284:97//AQ037173
- F-HEM BB1001267//Homo sapiens chromosome 17, clone hRPK.488\_L\_1, complete sequence//3.5e-30:236:78//AC005303
- 55 F-HEM BB1001271//HS\_3011\_A1\_G02\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3011 Col=3 Row=M, genomic survey sequence//5.2e-07:364:62//AQ214217
- F-HEM BB1001282//CIT-HSP-2356J20.TF CIT-HSP Homo sapiens genomic clone 2356J20; genomic survey sequence//1.8e-16:109:97//AQ060969



# EP 1 074 617 A2

F-HEMBB1001288//R.norvegicus mRNA for gephyrin.//3.4e-18:194:77//X66366  
 F-HEMBB1001289//Genomic sequence from Human 9q34, complete sequence.//4.8e-66:434:74//AC000387  
 F-HEMBB1001294//HS\_3039\_B1\_D01\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3039 Col=1 Row=H, genomic survey sequence.//2.0e-90:437:99//AQ155035  
 5 F-HEMBB1001302  
 F-HEMBB1001304//CIT-HSP-2053E15.TF CIT-HSP Homo sapiens genomic clone 2053E15, genomic survey se-  
 quence.//2.2e-07:370:61//B69144  
 F-HEMBB1001314//Mus musculus Olf-1/EBF-like-3 transcription factor (O/E-3) mRNA, complete cds.//5.7e-116:  
 663:85//U92703  
 10 F-HEMBB1001315//Homo sapiens chromosome 10 clone LA10NC01\_40\_G\_3 map 10q26.1-10q26.2, WORKING  
 DRAFT SEQUENCE, 1 ordered pieces.//2.5e-33:328:77//AC006096  
 F-HEMBB1001317//Homo sapiens Xp22-150 BAC GSHB-309P15 (Genome Systems Human BAC Library) com-  
 plete sequence.//1.4e-122:680:91//AC006210  
 F-HEMBB1001326//Homo sapiens BAC clone RG136N17 from 7p15-p21, complete sequence.//2.8e-09:518:60//  
 15 AC004129  
 F-HEMBB1001331//Mus musculus mRNA for hepatoma-derived growth factor, complete cds, strain:BALB/c.//3.7e-  
 56:458:79//D63850  
 F-HEMBB1001335//HS\_3055\_A1\_H10\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3055 Col=19 Row=O, genomic survey sequence.//1.0:222:63//AQ147384  
 20 F-HEMBB1001337//Human PAC clone DJ0093I03 from Xq23, complete sequence.//1.0e-74:319:85//AC003983  
 F-HEMBB1001339//Homo sapiens FSHD-associated repeat DNA, proximal region.//4.0e-135:856:87//U85056  
 F-HEMBB1001346//Human familial Alzheimer's disease (STM2) gene, complete cds.//3.3e-44:481:74//U50871  
 F-HEMBB1001348//Homo sapiens BAC clone NH0491B03 from 7p21-p15, complete sequence.//1.8e-17:210:73//  
 AC006041  
 25 F-HEMBB1001356//Homo sapiens clone RG252P22, WORKING DRAFT SEQUENCE, 3 unordered pieces.//1.0:  
 386:59//AC005079  
 F-HEMBB1001364//Homo sapiens chromosome 17, clone hRPC.842\_A\_23, complete sequence.//0.97:349:61//  
 AC004662  
 F-HEMBB1001366//Homo sapiens chromosome 10 clone CIT987SK-1188I5 map 10p11.2-10p12.1, complete se-  
 30 quence.//5.5e-161:766:98//AC005876  
 F-HEMBB1001367//Homo sapiens chromosome 17, clone hRPC.906\_A\_24, complete sequence.//3.0e-55:510:  
 76//AC004408  
 F-HEMBB1001369//Homo sapiens BAC clone RG163K11 from 7q31, complete sequence.//0.048:244:64//  
 AC005192  
 35 F-HEMBB1001380//Homo sapiens PAC clone DJ1102B04 from 7q11.23-7q21, complete sequence.//2.5e-26:257:  
 78//AC006204  
 F-HEMBB1001384//Mus musculus COP9 complex subunit 4 (COPS4) mRNA, complete cds.//5.1e-99:571:89//  
 AF071314  
 F-HEMBB1001387//Leishmania tarentolae mitochondrial 12S ribosomal RNA gene.//7.1e-05:546:58//X02354  
 40 F-HEMBB1001394//Homo sapiens BAC clone GS421I03 from Xq25-q26, complete sequence.//4.0e-129:788:88//  
 AC005023  
 F-HEMBB1001410//Homo sapiens wbscr1 (WBSCR1) and replication factor C subunit 2 (RFC2) genes, complete  
 cds.//4.8e-11:632:59//AF045555  
 F-HEMBB1001424//Mus musculus Chromosome 4 BAC clone BacB6, complete sequence.//0.0012:435:59//  
 45 AC003019  
 F-HEMBB1001426//Homo sapiens clone DJ0736H05, WORKING DRAFT SEQUENCE, 5 unordered pieces.//  
 3.8e-17:360:64//AC005482  
 F-HEMBB1001429//leucine aminopeptidase [cattle, kidney, mRNA, 2056 nt].//4.1e-114:668:88//S65367  
 F-HEMBB1001436//Homo sapiens FUT2 gene, intron 1, complete sequence.//2.3e-37:438:74//AB000931  
 50 F-HEMBB1001443//Bos taurus pyruvate dehydrogenase phosphatase mRNA, complete cds.//9.1e-92:550:88//  
 L18966  
 F-HEMBB1001449//Homo sapiens chromosome 5, PAC clone 228g9 (LBNL H142), complete sequence.//0.00024:  
 385:62//AC004768  
 F-HEMBB1001454//Homo sapiens chromosome 19, cosmid R34169, complete sequence.//0.84:577:57//  
 55 AC005790  
 F-HEMBB1001458//Human Chromosome 11 pac pDJ197h17, WORKING DRAFT SEQUENCE, 11 unordered  
 pieces.//8.0e-40:377:78//AC000382  
 F-HEMBB1001463//Human Chromosome 16 BAC clone CIT987SK-A-270G1, complete sequence.//0.011:482:

- 59//AF001549  
 F-HEM BB1001464//Human chromosome 16p13 BAC clone CIT987SK-3H8 complete sequence.//0.019:263:61//U91320  
 F-HEM BB1001482//Rattus norvegicus Olf-1/EBF associated Zn finger protein Roaz mRNA, alternatively spliced form, complete cds.//1.0e-30:521:66//U92564  
 5 F-HEM BB1001500//Homo sapiens clone DJ0742P04, WORKING DRAFT SEQUENCE, 6 unordered pieces.//1.3e-31:479:71//AC004873  
 F-HEM BB1001521//Homo sapiens clone RG269P13, WORKING DRAFT SEQUENCE, 6 unordered pieces.//3.7e-51:680:70//AC005080  
 10 F-HEM BB1001527  
 F-HEM BB1001531//Homo sapiens Chromosome 22q11.2 Cosmid Clone 89h In DGCR Region, complete sequence.//1.3e-79:696:79//AC000089  
 F-HEM BB1001535//O. aries DNA for polymorphic marker 'OVINRA01' (339 bp).//0.00034:217:62//X89268  
 F-HEM BB1001536//Homo sapiens PAC clone DJ1182N03 from 7q11.23-q21.1, complete sequence.//0.54:266:60//AC004548  
 15 F-HEM BB1001537//Homo sapiens chromosome 19, cosmid R29368, complete sequence.//4.6e-25:784:61//AC004262  
 F-HEM BB1001555//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-248F7, complete sequence.//6.9e-50:213:80//AC004605  
 20 F-HEM BB1001562//Homo sapiens clone NH0523H20, complete sequence.//0.46:269:60//AC005041  
 F-HEM BB1001564//Human DNA sequence from clone 192P9 on chromosome Xp11.23-11.4. Contains a pseudogene similar to rat Plasmolipin, ESTs and GSSs, complete sequence.//1.7e-107:620:83//AL020989  
 F-HEM BB1001565//Homo sapiens BAC clone RG437L15 from 8q21, complete sequence.//2.4e-50:734:67//AC004003  
 25 F-HEM BB1001585//Human DNA sequence from clone 790B6 on chromosome 20p11.22-12.2. Contains STSs and GSSs, complete sequence.//1.4e-166:816:97//AL031677  
 F-HEM BB1001586  
 F-HEM BB1001588//Homo sapiens chromosome 19, CIT-HSP-444n24, complete sequence.//1.6e-21:419:65//AC005261  
 30 F-HEM BB1001603  
 F-HEM BB1001618//Homo sapiens DNA sequence from PAC 142L7 on chromosome 6q21. Contains a Laminin Alpha 4 (LAMA4) LIKE gene coding for two alternatively spliced transcripts, a Tubulin Beta LIKE pseudogene, a Connective tissue growth factor (NOV, GIG) LIKE gene, A predicted CpG island, ESTs, STSs and genomic marker D6S416, complete sequence.//4.5e-29:422:72//Z99289  
 35 F-HEM BB1001619//HS\_3079\_B1\_A04\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3079 Col=7 Row=B, genomic survey sequence.//0.0010:77:79//AQ123388  
 F-HEM BB1001630//Homo sapiens clone RG315H11, WORKING DRAFT SEQUENCE, 5 unordered pieces.//3.2e-12:667:59//AC005089  
 F-HEM BB1001635//Plasmodium falciparum MAL3P7, complete sequence.//3.8e-05:475:57//AL034559  
 40 F-HEM BB1001637//Homo sapiens DNA sequence from PAC 934G17 on chromosome 1p36.21. Contains the alternatively spliced CLCN6 gene for chloride channel proteins CLC-6A (KIAA0046) -B, -C and -D, the alternatively spliced NPPA gene coding for Atrial Natriuretic Factor ANF precursor (Atrial Natriuretic peptide ANP, Prepronatriodilatin), the NPPB gene for Brain Natriuretic Protein BNP, and a pseudogene similar to SBF1 (and other Myotubularin-related protein genes). Contains ESTs, STSs and the genomic marker D1S2740, complete sequence.//9.2e-13:168:76//AL021155  
 45 F-HEM BB1001641//Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MPO12, complete sequence.//0.00097:721:58//AB006702  
 F-HEM BB1001653//Homo sapiens chromosome 2 clone 101B6 map 2p11, complete sequence.//0.15:276:63//AC002038  
 50 F-HEM BB1001665//Bovine herpesvirus type 1 early-intermediate transcription control protein (BICP4) gene, complete cds.//0.43:393:61//L14320  
 F-HEM BB1001668//F16C15-T7 IGF Arabidopsis thaliana genomic clone F16C15, genomic survey sequence.//0.040:275:60//B12308  
 F-HEM BB1001673//Homo sapiens mRNA for KIAA0646 protein, complete cds.//7.2e-171:803:98//AB014546  
 55 F-HEM BB1001684//Sequence 1 from patent US 5700927.//7.5e-124:883:81//I86429  
 F-HEM BB1001685//CIT-HSP-2287O9.TF CIT-HSP Homo sapiens genomic clone 2287O9, genomic survey sequence.//2.3e-34:191:97//B99261  
 F-HEM BB1001695//Human DNA sequence from clone 431P23 on chromosome 6q27. Contains the first coding

- exon of the MLLT4 gene for myeloid/lymphoid or mixed-lineage leukemia (trithorax (*Drosophila*) homolog); translocated to, 4 (AF-6, Afadin, MLLT-4, ALL-1 fusion partner), and a Serine Palmitoyltransferase 2 (EC 2.3.1.50, Long Chain Base Biosynthesis protein 2, LCB-2, SPT-2) pseudogene. Contains ESTs, STs, GSSs, and a putative CpG island, complete sequence.//0.0091:334:63//AL009178
- 5 F-HEMBB1001704//Human DNA sequence from clone 931E15 on chromosome Xq25. Contains STSs, GSSs and genomic marker DXS8098, complete sequence.//1.2e-17:144:87//AL023575  
F-HEMBB1001706  
F-HEMBB1001707//Guinea pig CD19 mRNA, complete cds.//0.57:232:62//M62543  
F-HEMBB1001717//*Saccharomyces cerevisiae* mitochondrial tRNA-Tyr, tRNA-Asn, & amp; tRNA-Met genes.//1.1e-13:723:58//AJ223323
- 10 F-HEMBB1001735//Human PAC clone DJ0596O09 from 7p15, complete sequence.//1.3e-36:427:73//AC003074  
F-HEMBB1001736//*S.pombe* chromosome II cosmid c4B4.//0.0085:479:57//AL023706  
F-HEMBB1001747//Homo sapiens PAC clone DJ1002N02 from 7p21-p22, complete sequence.//4.0e-112:532:84//AC005376
- 15 F-HEMBB1001749//Homo sapiens chromosome 17, clone hRPK.259\_G\_18, complete sequence.//1.3e-98:395:82//AC005829  
F-HEMBB1001753//*S.maximus* repeat region, 342bp.//4.2e-11:69:85//Z78099  
F-HEMBB1001756//Homo sapiens full-length insert cDNA clone ZD86A11.//0.0015:302:62//AF088064  
F-HEMBB1001760//*P.falciparum* complete gene map of plastid-like DNA (IR-A).//0.011:615:56//X95275
- 20 F-HEMBB1001762//CIT-HSP-2290J16.TF CIT-HSP Homo sapiens genomic clone 2290J16, genomic survey sequence.//0.84:208:64//AQ005184  
F-HEMBB1001785//*Plasmodium falciparum* DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from MAL1P3, WORKING DRAFT SEQUENCE.//0.0019:469:60//AL031746  
F-HEMBB1001797//Human heterogenous nuclear RNA W16W.//0.00012:83:86//X17272
- 25 F-HEMBB1001802//*Plasmodium falciparum* MAL3P7, complete sequence.//1.8e-11:538:60//AL034559  
F-HEMBB1001812//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 356B8, WORKING DRAFT SEQUENCE.//1.0e-56:304:84//Z98882  
F-HEMBB1001816//Homo sapiens chromosome 19, cosmid F24083, complete sequence.//3.6e-75:300:87//AC005204
- 30 F-HEMBB1001831//Homo sapiens PAM COOH-terminal interactor protein 1 (PCIP1) mRNA, complete cds.//2.3e-162:763:98//AF056209  
F-HEMBB1001834//CIT-HSP-2291012.TF CIT-HSP Homo sapiens genomic clone 2291O12, genomic survey sequence.//7.6e-08:73:94//AQ004168  
F-HEMBB1001836//Homo sapiens 12q13.1 PAC RPC11-228P16 (Roswell Park Cancer Institute Human PAC Library) complete sequence.//5.7e-30:297:79//AC004801
- 35 F-HEMBB1001839//Human Chromosome X, complete sequence.//0.016:293:63//AC004073  
F-HEMBB1001850//*Plasmodium falciparum* 3D7 chromosome 12 PFYAC1383 genomic sequence, WORKING DRAFT SEQUENCE, 3 unordered pieces.//0.0027:812:58//AC005504  
F-HEMBB1001863//Human Chromosome 15q26.1 PAC clone pDJ460g16, WORKING DRAFT SEQUENCE, 3 unordered pieces.//8.3e-43:520:72//AC004581
- 40 F-HEMBB1001867//Human proto-oncogene tyrosine-protein kinase (ABL) gene, exon 1a and exons 2-10, complete cds.//1.7e-56:399:86//U07563  
F-HEMBB1001868//*Rattus norvegicus* clone 923 polymeric immunoglobulin receptor mRNA 3' untranslated region, GA rich region, and microsatellites with GGA-triplet and GAA-triplet repeats.//6.1e-08:234:67//U01145
- 45 F-HEMBB1001869//Homo sapiens full-length insert cDNA clone YT86F01.//7.4e-87:432:97//AF085974  
F-HEMBB1001872  
F-HEMBB1001874//Homo sapiens clone DJ241P17, WORKING DRAFT SEQUENCE, 7 unordered pieces.//3.4e-14:631:61//AC005000  
F-HEMBB1001875//Human DNA sequence from clone J428A131, WORKING DRAFT SEQUENCE.//0.93:415:57//Z82209
- 50 F-HEMBB1001880//Human genomic DNA sequence from clone 308O1 on chromosome Xp11.3-11.4. Contains EST, CA repeat, STS, GSS, CpG island.//1.0e-18:729:60//Z93403  
F-HEMBB1001899//*Plasmodium falciparum* DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 4-10, complete sequence.//0.0038:425:58//AL010216
- 55 F-HEMBB1001905//*S.pombe* chromosome III cosmid c330.//1.1e-23:520:62//AL031603  
F-HEMBB1001906  
F-HEMBB1001908//Human monocytic leukaemia zinc finger protein (MOZ) mRNA, complete cds.//3.7e-82:672:81//U47742

- F-HEM BB1001910//Plasmodium falciparum 3D7 chromosome 12 PFYAC181 genomic sequence, WORKING DRAFT SEQUENCE, 8 unordered pieces.//0.0033:566:55//AC005505
- F-HEM BB1001911//Arabidopsis thaliana chromosome II BAC F26C24 genomic sequence, complete sequence.//1.0:581:58//AC004705
- 5 F-HEM BB1001915//Caenorhabditis elegans cosmid T05H10, complete sequence.//1.2e-16:283:67//Z47812
- F-HEM BB1001921//Homo sapiens chromosome 17, clone hCIT.123\_J\_14, complete sequence.//3.4e-07:803:58//AC003950
- F-HEM BB1001922//Plasmodium falciparum chromosome 2, section 28 of 73 of the complete sequence.//5.0e-06:756:56//AE001391
- 10 F-HEM BB1001925//Human DNA sequence from PAC 212P9 on chromosome 1p34.1-1p35. Contains delta opiate receptor, CpG island, CA repeat.//3.1e-45:609:73//AL009181
- F-HEM BB1001930//Homo sapiens genomic DNA of 8p21.3-p22 anti-oncogene of hepatocellular colorectal and non-small cell lung cancer, segment 10/11.//3.2e-158:745:99//AB020867
- F-HEM BB1001944//, complete sequence.//4.1e-60:638:73//AC005815
- 15 F-HEM BB1001945//HS\_3185\_B1\_G05\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3185 Col=9 Row=N, genomic survey sequence.//1.0:280:58//AQ188882
- F-HEM BB1001947//Human mRNA for KIAA0392 gene, partial cds.//5.6e-20:333:66//AB002390
- F-HEM BB1001950//Human lipocortin (LIP) 2 gene, upstream region.//0.0094:180:63//M62899
- F-HEM BB1001952//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 101A4, WORKING DRAFT SEQUENCE.//5.4e-19:329:70//Z93341
- 20 F-HEM BB1001953//Homo sapiens chromosome 17, clone hRPK.795\_F\_17, complete sequence.//0.11:589:58//AC005284
- F-HEM BB1001957//Human DNA sequence from PAC 204E5 on chromosome 12. Contains exon similar to Wilms' Tumour-related protein QM-like P2X-like receptor, ATP ligand gated ion channel, ESTs, CpG island.//9.8e-25:446:67//Z98941
- 25 F-HEM BB1001962//Homo sapiens chromosome 16, BAC clone 462G18 (LANL), complete sequence.//2.8e-147:727:97//AC005736
- F-HEM BB1001967//Homo sapiens clone DJ1102A12, WORKING DRAFT SEQUENCE, 15 unordered pieces.//3.2e-56:650:71//AC004963
- 30 F-HEM BB1001973//Homo sapiens chromosome 12p13.3-clone RPCI11-350L7, WORKING DRAFT SEQUENCE, 72 unordered pieces.//1.2e-42:327:84//AC005844
- F-HEM BB1001983//CIT-HSP-2315M4.TF CIT-HSP Homo sapiens genomic clone 2315M4, genomic survey sequence.//8.8e-35:198:96//AQ028071
- F-HEM BB1001988//D.polychroa microsatellite sequence (clone Dp 1C e12).//4.5e-07:337:62//X92189
- 35 F-HEM BB1001990//HS\_3234\_A1\_G08\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3234 Col=15 Row=M, genomic survey sequence.//0.039:279:59//AQ204689
- F-HEM BB1001996//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 191J18, WORKING DRAFT SEQUENCE.//0.18:392:58//AL024507
- F-HEM BB1001997//Homo sapiens clone RG140B11, WORKING DRAFT SEQUENCE, 1 unordered pieces.//1.3e-43:446:71//AC005069
- 40 F-HEM BB1002002//Plasmodium falciparum 3D7 chromosome 12 PFYAC812 genomic sequence, WORKING DRAFT SEQUENCE, 8 unordered pieces.//0.077:444:58//AC004153
- F-HEM BB1002005//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 963K23, WORKING DRAFT SEQUENCE.//3.4e-16:173:78//AL031685
- 45 F-HEM BB1002009//Plasmodium falciparum 3D7 chromosome 12 PFYAC357 genomic sequence, WORKING DRAFT SEQUENCE, 7 unordered pieces.//0.00033:790:56//AC005506
- F-HEM BB1002015//Homo sapiens genomic DNA, chromosome 21q11.1, segment 27/28, WORKING DRAFT SEQUENCE.//6.7e-05:126:76//AP000056
- F-HEM BB1002042//Oncorhynchus mykiss cytochrome P450 (CYP4V1) mRNA, partial cds.//6.4e-33:402:69//AF046012
- 50 F-HEM BB1002043
- F-HEM BB1002044//Homo sapiens chromosome 5p, BAC clone 50g21 (LBNL H154), complete sequence.//3.0e-167:809:97//AC005740
- F-HEM BB1002045
- 55 F-HEM BB1002049//Homo sapiens chromosome 17, clone hRPC.161\_P\_9, complete sequence.//0.87:177:65//AC006237
- F-HEM BB1002050//Streptomyces coelicolor cosmid D78.//8.5e-08:644:58//AL034355
- F-HEM BB1002068//Homo sapiens mRNA for KIAA0612 protein, partial cds.//2.5e-05:402:61//AB014512

F-HEMBB1002069  
 F-HEMBB1002092//\*\*\* SEQUENCING IN PROGRESS \*\*\* Homo sapiens chromosome 4, BAC clone B33108; HTGS phase 1, WORKING DRAFT SEQUENCE, 10 unordered pieces.//7.8e-104:550:83//AC004064  
 F-HEMBB1002094//Homo sapiens genomic DNA, 21q region, clone: 125H6N2, genomic survey sequence.//2.9e-49:302:83//AG001476  
 5 F-HEMBB1002115//Homo sapiens chromosome 16, cosmid clone 378E2 (LANL), complete sequence.//0.00023:542:61//AC004035  
 F-HEMBB1002134//Human h-neuro-d4 protein mRNA, complete cds.//7.3e-43:533:70//U43843  
 F-HEMBB1002139//HS-1048-A2-B02-MR.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 831 Col=4 Row=C, genomic survey sequence.//0.055:228:66//B38714  
 10 F-HEMBB1002142//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from MAL1P5, WORKING DRAFT SEQUENCE.//0.0095:276:64//AL031748  
 F-HEMBB1002152//Human Chromosome X, WORKING DRAFT SEQUENCE, 4 unordered pieces.//0.055:520:57//AC002421  
 15 F-HEMBB1002189//Homo sapiens cosmid ICRFc104I0935Q8 from Xq28, complete sequence.//2.6e-05:311:63//AF002998  
 F-HEMBB1002190//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-420 genomic sequence, WORKING DRAFT SEQUENCE, 14 unordered pieces.//5.4e-05:647:59//AC005140  
 F-HEMBB1002193//Sequence 5 from patent US 5709858.//1.8e-34:179:100//I80846  
 20 F-HEMBB1002217//Homo sapiens mRNA for zinc finger protein 10.//1.2e-23:405:67//X52332  
 F-HEMBB1002218//HS\_2056\_B1\_C09\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2056 Col=17 Row=F, genomic survey sequence.//3.3e-45:245:97//AQ244711  
 F-HEMBB1002232//Human chromosome 11 72g7 cosmid, complete sequence.//1.9e-21:314:70//U73648  
 F-HEMBB1002247  
 25 F-HEMBB1002249//Homo sapiens DNA sequence from BAC 34I8 on chromosome 6p21.3-22.1. Contains ZNF184 gene coding for Kruppel related Zinc Finger protein 184, a hnRNP core protein A1 (mouse Fli-2, rat helix destabilizing protein, mouse Topoisomerase-inhibitor suppressed gene TIS) LIKE pseudogene, a HB15 (CD83 antigen precursor) LIKE pseudogene, Ser-tRNA, Glu-tRNA and Met-tRNA (Met-tRNA-i gene 1) genes. Contains ESTs, STSs and GSSs, complete sequence.//4.1e-45:327:83//AL021918  
 30 F-HEMBB1002254//Human chromosome 16 BAC clone LANL cosmid-440E5, WORKING DRAFT SEQUENCE, 2 unordered pieces.//9.8e-40:315:82//AC002506  
 F-HEMBB1002255//Plasmodium falciparum MAL3P3, complete sequence.//0.0035:312:62//Z98547  
 F-HEMBB1002266//Plasmodium falciparum 3D7 chromosome 12 PFYAC1383 genomic sequence, WORKING DRAFT SEQUENCE, 3 unordered pieces.//0.013:469:59//AC005504  
 35 F-HEMBB1002280//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-259H10, complete sequence.//5.3e-18:527:61//AC004682  
 F-HEMBB1002300//Human Chromosome 11 Cosmid cSRL30h11, complete sequence.//8.6e-139:818:88//U73642  
 F-HEMBB1002306//HS\_3109\_A2\_H01\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3109 Col=2 Row=O, genomic survey sequence.//1.3e-75:371:98//AQ148164  
 40 F-HEMBB1002327//HS\_3235\_B2\_G10\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3235 Col=20 Row=N, genomic survey sequence.//3.3e-83:418:97//AQ209752  
 F-HEMBB1002329//CITBI-E1-2503J7.TR CITBI-E1 Homo sapiens genomic clone 2503J7, genomic survey sequence.//3.3e-31:220:88//AQ263402  
 45 F-HEMBB1002340  
 F-HEMBB1002342//Homo sapiens mRNA for putative thioredoxin-like protein.//4.1e-154:724:98//AJ010841  
 F-HEMBB1002358//Human thymidylate kinase (CDC8) mRNA, complete cds.//3.3e-36:192:98//L16991  
 F-HEMBB1002359//Human Rev interacting protein Rip-1 mRNA, complete cds.//1.8e-13:96:96//U55766  
 F-HEMBB1002364//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 376D21, WORKING DRAFT SEQUENCE.//7.5e-24:202:71//Z98946  
 50 F-HEMBB1002371//Plasmodium falciparum 3D7 chromosome 12 PFYAC812 genomic sequence, WORKING DRAFT SEQUENCE, 8 unordered pieces.//1.9e-06:674:56//AC004153  
 F-HEMBB1002381//Homo sapiens chromosome 16, cosmid clone RT163 (LANL), complete sequence.//0.34:238:61//AC005222  
 55 F-HEMBB1002383  
 F-HEMBB1002387//CIT-HSP-2173E20.TR CIT-HSP Homo sapiens genomic clone 2173E20, genomic survey sequence.//5.2e-17:434:66//B91052  
 F-HEMBB1002409//Human DNA sequence from PAC 84F12 on chromosome Xq25-Xq26.3. Contains glypican-3

# EP 1 074 617 A2

precursor (intestinal protein OCI-5) (GTR2-2), ESTs and CA repeat.//1.2e-56:324:88//AL008712  
 F-HEMBB1002415//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 364I1, WORKING  
 DRAFT SEQUENCE.//8.9e-35:334:75//AL031319  
 F-HEMBB1002425//Chromosome 22q13 BAC Clone CIT987SK-384D8 complete sequence.//1.0e-36:317:76//  
 5 U62317  
 F-HEMBB1002442//Rattus norvegicus lin-10 protein homolog (lin-10) mRNA, complete cds.//4.3e-88:296:92//  
 U92010  
 F-HEMBB1002453//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 86D1, WORKING  
 DRAFT SEQUENCE.//2.7e-43:419:78//AL034349  
 10 F-HEMBB1002457//Homo sapiens clone DJ0982E09, WORKING DRAFT SEQUENCE, 3 unordered pieces.//  
 1.3e-27:542:68//AC005534  
 F-HEMBB1002458//HS\_3246\_A2\_G05\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3246 Col=10 Row=M, genomic survey sequence.//3.2e-51:257:99//AQ217993  
 F-HEMBB1002477//Human Grb2-associated binder-1 mRNA, complete cds.//1.9e-87:493:92//U43885  
 15 F-HEMBB1002489  
 F-HEMBB1002492//Arabidopsis thaliana BAC T15B16.//0.028:516:57//AF104919  
 F-HEMBB1002495//Homo sapiens chromosome 17, clone hRPK.421\_E\_14, complete sequence.//1.1e-16:297:  
 68//AC006141  
 F-HEMBB1002502//Homo sapiens clone DJ1163L11, complete sequence.//1.1e-91:675:82//AC005230  
 20 F-HEMBB1002509//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-248F7, complete sequence.//2.7e-  
 11:648:60//AC004605  
 F-HEMBB1002510//HS\_3236\_B1\_H11\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3236 Col=21 Row=P, genomic survey sequence.//1.2e-06:67:94//AQ205992  
 F-HEMBB1002520//Homo sapiens BAC clone NH0004N07 from Y, complete sequence.//1.2e-70:580:72//  
 25 AC006152  
 F-HEMBB1002522//Homo sapiens Xp22 bin 150 clone GSHB-223P11 (Genome Systems Human BAC library)  
 complete sequence.//5.6e-22:516:64//AC004553 F-HEMBB1002531  
 F-HEMBB1002534//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 668J24, WORKING  
 DRAFT SEQUENCE.//6.9e-62:265:87//AL034346  
 30 F-HEMBB1002545//Human BAC clone RG128M16 from 7q21-7q22, complete sequence.//2.7e-44:200:82//  
 AC000059  
 F-HEMBB1002550//Homo sapiens PAC clone DJ0910I17 from 7q11.21-q11.23, complete sequence.//0.22:161:  
 68//AC004927  
 F-HEMBB1002556//Homo sapiens PAC clone DJ0696N01 from 7p21-p22, complete sequence.//7.5e-43:306:77//  
 35 AC004861  
 F-HEMBB1002579  
 F-HEMBB1002582//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 349A12, WORKING  
 DRAFT SEQUENCE.//0.00018:431:61//AL033520  
 F-HEMBB1002590//Yeast (S.cerevisiae) mitochondrial apocytochrome b gene, 3' flank.//0.78:147:64//J01471  
 40 F-HEMBB1002596//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 9E21, WORKING  
 DRAFT SEQUENCE.//3.6e-50:692:69//AL008639  
 F-HEMBB1002600//Homo sapiens tetraspan NET-5 mRNA, complete cds.//9.1e-151:710:98//AF089749  
 F-HEMBB1002601//Human BAC clone RG020D02 from 7q22, complete sequence.//1.5e-07:416:60//AC002381  
 F-HEMBB1002603//Human BAC clone GS552A01 from 7q21-q22, complete sequence.//0.40:341:60//AC002454  
 45 F-HEMBB1002607//Mus musculus homeobox containing nuclear transcriptional factor Hmx1 (Hmx1) gene, com-  
 plete cds.//0.0042:460:60//AF009614  
 F-HEMBB1002610//Homo sapiens Chromosome 12q24 PAC RPCI3-462E2 (Roswell Park Cancer Institute Human  
 PAC library) complete sequence.//6.3e-23:559:63//AC003029  
 F-HEMBB1002613//Homo sapiens Chromosome 22q12 BAC Clone 566c1, complete sequence.//4.2e-17:441:63//  
 50 AC000025  
 F-HEMBB1002614//Plasmodium falciparum chromosome 2, section 54 of 73 of the complete sequence.//0.013:  
 324:56//AE001417  
 F-HEMBB1002617//Homo sapiens chromosome 16 BAC clone CIT987SK-334D11 complete sequence.//2.1e-07:  
 441:60//AF001550  
 55 F-HEMBB1002623//C.hyalina microsatellite marker DNA (id ATCC4).//0.57:106:66//Z95304  
 F-HEMBB1002635//Human JNK3 alpha2 protein kinase (JNK3A2) mRNA, complete cds.//4.8e-22:127:100//  
 U34819  
 F-HEMBB1002664//HS\_2265\_A1\_H06\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-

# EP 1 074 617 A2

nomic clone Plate=2265 Col=11 Row=O, genomic survey sequence.//0.54:115:67//AQ101557  
 F-HEMBB1002677//Homo sapiens (subclone 3\_d1 from P1 H25) DNA sequence, complete sequence.//2.2e-49:  
 784:68//L81774  
 F-HEMBB1002683//Homo sapiens type IV collagen 5a chain (COL4A5) gene, exon 23.//1.0:112:63//U04492  
 5 F-HEMBB1002684//HS-1050-A2-G06-MF.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone  
 Plate=CT 772 Col=12 Row=M, genomic survey sequence.//4.4e-07:86:84//B39748  
 F-HEMBB1002686//HS-1023-B2-F10-MR.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone  
 Plate=CT 802 Col=20 Row=L, genomic survey sequence.//0.98:183:61//B34077  
 F-HEMBB1002692//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1108H3, WORKING  
 10 DRAFT SEQUENCE.//0.00039:408:60//AL033525  
 F-HEMBB1002697//Homo sapiens clone DJ1087M19, WORKING DRAFT SEQUENCE, 7 unordered pieces.//  
 7.3e-35:323:74//AC004955  
 F-HEMBB1002699//Mus musculus D6MM5e protein (D6Mm5e) and DOK protein (Dok) genes, complete cds; and  
 LOR2 protein (Lor2) gene, partial cds.//0.031:325:62//AF084363  
 15 F-HEMBB1002702//HS-1025-A2-D01-MR.abi CIT Human Genomic Sperm Library C Homo sapiens genomic  
 clone Plate=CT 804 Col=2 Row=G, genomic survey sequence.//1.8e-25:158:95//B34720  
 F-HEMBB1002705//Homo sapiens DNA, chromosome 21q22.2, PAC clone 25P16 complete sequence, encoding  
 carbonyl reductase and carbonyl reductase 3 (complete cds).//1.7e-137:534:96//AB003151  
 F-HEMBB1002712//Human DNA sequence from cosmid cU115G11, between markers DXS6791 and DXS8038  
 20 on chromosome X contains ESTs and STS.//0.0019:612:58//Z71187  
 F-MAMMA1000009//Human chromosome 1 BAC 308G1 genomic sequence, WORKING DRAFT SEQUENCE, 3  
 unordered pieces.//6.1e-43:354:81//AC003117  
 F-MAMMA1000019  
 F-MAMMA1000020//H.sapiens mRNA for flavin-containing monooxygenase 5 (FMO5).//2.0e-40:185:97//Z47553  
 25 F-MAMMA1000025//Homo sapiens PAC clone DJ0806A17 from 7p13-p14, complete sequence.//1.0:211:65//  
 AC005483  
 F-MAMMA1000043//Human angiotensin I-converting enzyme (ACE) gene, intron 12.//0.075:204:65//M73275  
 F-MAMMA1000045//Human DNA sequence from clone 142F18 on chromosome Xq26.3-27.2 Contains part of a  
 gene similar to melanoma-associated antigen, EST, GSS and an inverted repeat, complete sequence.//4.1e-122:  
 30 495:79//AL031073  
 F-MAMMA1000055//M.musculus mRNA for testin.//2.1e-35:559:66//X78989  
 F-MAMMA1000057//Homo sapiens chromosome 17, clone hRPK.259\_G\_18, complete sequence.//5.5e-121:703:  
 89//AC005829  
 F-MAMMA1000069//Homo sapiens minisatellite ceb1 repeat region.//0.00013:329:60//AF048727  
 35 F-MAMMA1000084//Homo sapiens DNA sequence from PAC 958B3 on chromosome Xp22.11-Xp22.22. Contains  
 ESTs STS and CpG island.//2.1e-53:445:79//Z93023  
 F-MAMMA1000085//Caenorhabditis elegans cosmid Y23H5A.//0.0017:164:64//AF077541  
 F-MAMMA1000092//Homo sapiens BAC clone GS465N13 from 7p15-p21, complete sequence.//1.2e-70:598:78//  
 AC004744  
 40 F-MAMMA1000103//Homo sapiens chromosome 17, clone hCIT.91\_J\_4, complete sequence.//1.1e-156:857:92//  
 AC003976  
 F-MAMMA1000117//HS\_3223\_B2\_D08\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3223 Col=16 Row=H, genomic survey sequence.//5.4e-100:527:94//AQ221160  
 F-MAMMA1000129//ryanodine receptor.//0.055 :492:59//A20359  
 45 F-MAMMA1000133  
 F-MAMMA1000134//HS\_3078\_B1\_C02\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3078 Col=3 Row=F, genomic survey sequence.//2.1e-93:462:97//AQ144362  
 F-MAMMA1000139//Homo sapiens Xp22 PAC RPC11-5G11 (from Roswell Park Cancer Center) complete se-  
 quence.//3.3e-14:322:65//AC002369  
 50 F-MAMMA1000143//Homo sapiens mRNA for KIAA0685 protein, complete cds.//6.9e-25:148:97//AB014585  
 F-MAMMA1000155//Homo sapiens homeobox transcription factor barx2 (BARX2) mRNA, complete cds.//1.0e-29:  
 219:87//AF031924  
 F-MAMMA1000163  
 F-MAMMA1000171//Homo sapiens chromosome 19, CIT-HSP BAC 470n8, complete sequence.//6.3e-14:92:88//  
 55 AC005393  
 F-MAMMA1000173//Mus musculus SH3-containing protein SH3P7 mRNA, complete cds. similar to Human  
 Drebrin.//2.2e-114:698:87//U58884  
 F-MAMMA1000175//HS\_3050\_B1\_B03\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-

# EP 1 074 617 A2

nomic clone Plate=3050 Col=5 Row=D, genomic survey sequence.//6.2e-73:357:99//AQ102678  
 F-MAMMA1000183//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y313F4, WORKING  
 DRAFT SEQUENCE.//4.6e-94:904:73//AL023808  
 F-MAMMA1000198//Z.diploperennis repetitive DNA (clone ZEAR 266) //0.18:152:70//X53610  
 5 F-MAMMA1000221//Human Chromosome 15q11-q13 PAC clone pDJ778a2, complete sequence.//0.017:99:75//  
 AC004583  
 F-MAMMA1000227//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 467K16, WORKING  
 DRAFT SEQUENCE.//0.36:312:62//AL031283  
 F-MAMMA1000241//HS\_3217\_B1\_B02\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 10 nomic clone Plate=3217 Col=3 Row=D, genomic survey sequence.//1.9e-94:456:98//AQ193401  
 F-MAMMA1000251//Homo sapiens NF2 gene.//0.00092:270:64//Y18000  
 F-MAMMA1000254//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-420 genomic sequence, WORKING  
 DRAFT SEQUENCE, 14 unordered pieces.//0.0034:777:57//AC005140  
 F-MAMMA1000257//Homo sapiens DNA sequence from PAC 201D7 on chromosome 6p22.1-22.3. Contains EST  
 15 and STS.//0.00036:230:65//AL022717  
 F-MAMMA1000264//Homo sapiens (subclone 9\_f5 from P1 H17) DNA sequence, complete sequence.//1.5e-30:  
 499:68//L81612  
 F-MAMMA1000266//Bacillus lynceorum strain pMEL12 Bag320 satellite DNA.//0.28:218:64//AF034430  
 F-MAMMA1000270//Human Chromosome 16 BAC clone CIT987SK-A-270G1, complete sequence.//1.4e-157:  
 20 788:96//AF001549  
 F-MAMMA1000277//Mycobacterium tuberculosis H37Rv complete genome; segment 48/162.//0.70:320:61//  
 AL021897  
 F-MAMMA1000278//Sequence 23 from patent US 5708157.//9.3e-103:540:95//I80055  
 F-MAMMA1000279//Human DNA sequence from clone 769D20 on chromosome Xp21.1-21.3 Contains EST, STS,  
 25 GSS, complete sequence.//2.4e-49:262:77//AL031643  
 F-MAMMA1000284//cSRL-165E12-u cSRL flow sorted Chromosome 11 specific cosmid Homo sapiens genomic  
 clone cSRL-165E12, genomic survey sequence.//1.1e-30:324:75//B03004  
 F-MAMMA1000287//Homo sapiens, clone hRPK.15\_A\_1, complete sequence.//2.7e-54:401:83//AC006213  
 F-MAMMA1000302//Drosophila melanogaster complete mitochondrial genome.//0.0051:307:61//U37541  
 30 F-MAMMA1000307//Homo sapiens chromosome 12p13.3 clone RPCI5-1154L15, WORKING DRAFT SE-  
 QUENCE, 67 unordered pieces.//0.15:449:59//AC006205  
 F-MAMMA1000309//cDNA coding human apolipoprotein E3.//0.00010:691:58//E00359  
 F-MAMMA1000312//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 798A17, WORKING  
 DRAFT SEQUENCE.//0.27:301:60//AL031274  
 35 F-MAMMA1000313  
 F-MAMMA1000331//Human Chromosome 16 BAC clone CIT987SK-A-735G6, complete sequence.//9.8e-06:151:  
 71//AC002400  
 F-MAMMA1000339  
 F-MAMMA1000340//HS\_2181\_B2\_F07\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 40 nomic clone Plate=2181 Col=14 Row=L, genomic survey sequence.//4.3e-05:181:68//AQ024288  
 F-MAMMA1000348//Homo sapiens chromosome 17, clone HRPC843B9, complete sequence.//5.3e-30:575:66//  
 AC004139  
 F-MAMMA1000356//Homo sapiens clone RG038K21, WORKING DRAFT SEQUENCE, 3 unordered pieces.//  
 1.8e-52:264:76//AC005052  
 45 F-MAMMA1000360//Homo sapiens PAC clone DJ0755G17 from 7p21-p22, complete sequence.//6.5e-91:569:88//  
 AC004879  
 F-MAMMA1000361//Human DNA sequence from PAC 507I15 on chromosome Xq26.3-27.3. Contains 60S ribos-  
 omal protein L44 (L41, L36) like gene, ESTs, STSs and a polymorphic CA repeat.//1.4e-42:315:83//Z98950  
 F-MAMMA1000372//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y738F9, WORKING  
 50 DRAFT SEQUENCE.//2.9e-114:516:89//AL022345  
 F-MAMMA1000385//CITBI-E1-2517E13.TF CITBI-E1 Homo sapiens genomic clone 2517E13, genomic survey  
 sequence.//6.9e-26:377:71//AQ279944  
 F-MAMMA1000388//Homo sapiens UKLF mRNA for ubiquitous Kruppel like factor, complete cds.//3.7e-148:710:  
 98//AB015132  
 55 F-MAMMA1000395  
 F-MAMMA1000402//Homo sapiens clone DJ0718N17, complete sequence.//4.0e-115:845:85//AC005999  
 F-MAMMA1000410//HS\_3245\_A1\_C02\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3245 Col=3 Row=E, genomic survey sequence.//9.6e-42:350:80//AQ205768



F-MAMMA1000413//HS\_3223\_B2\_F01\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3223 Col=2 Row=L, genomic survey sequence//1.6e-48:318:89//AQ188456  
 F-MAMMA1000414//HS\_2027\_B2\_C04\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2027 Col=8 Row=F, genomic survey sequence//1.4e-46:286:92//AQ231369  
 5 F-MAMMA1000416//Drosophila melanogaster DNA sequence (P1s DS07528 (D169) and DS06665 (D220)), complete sequence//9.4e-33:310:72//AC004640  
 F-MAMMA1000421//Homo sapiens clone DJ1129D05, complete sequence//3.3e-29:223:84//AC005630  
 F-MAMMA1000422  
 F-MAMMA1000423//Drosophila yakuba mitochondrial DNA molecule//2.2e-10:639:57//X03240  
 10 F-MAMMA1000424//Homo sapiens DNA from chromosome 19, BAC 33152, complete sequence//4.6e-47:556:68//AC003973  
 F-MAMMA1000429//Mus musculus SDP8 mRNA, complete cds//8.0e-99:545:92//AF062484  
 F-MAMMA1000431//Homo sapiens clone DJ1039L24, WORKING DRAFT SEQUENCE, 3 unordered pieces//4.8e-41:289:79//AC005283  
 15 F-MAMMA1000444//Human DNA sequence from clone 714B7 on chromosome 22q12.2-13.2 Contains CYTOCHROME C OXIDASE VIIB precursor like pseudogene and ESTs, complete sequence//2.3e-34:291:80//Z99755  
 F-MAMMA1000446  
 F-MAMMA1000458//Mus musculus clone OST9003, genomic survey sequence//5.0e-53:231:84//AF046620  
 F-MAMMA1000468//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 291J10, WORKING DRAFT SEQUENCE//0.75:303:60//Z93017  
 20 F-MAMMA1000472//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 414D7, WORKING DRAFT SEQUENCE//4.0e-41:403:77//AL033543  
 F-MAMMA1000478//Homo sapiens clone RG270D13, WORKING DRAFT SEQUENCE, 18 unordered pieces//9.5e-54:369:77//AC005081  
 25 F-MAMMA1000483//Homo sapiens Chromosome 16 BAC clone CIT987SK-44M2, complete sequence//3.6e-34:332:77//AC004381  
 F-MAMMA1000490//Homo sapiens 12q13.1 PAC RPC11-90J4 (Roswell Park Cancer Institute Human PAC library) complete sequence//8.9e-128:822:87//AC003686  
 F-MAMMA1000500//CIT-HSP-231905.TF CIT-HSP Homo sapiens genomic clone 231905, genomic survey sequence//4.8e-29:175:94//AQ044812  
 30 F-MAMMA1000501//Homo sapiens DNA sequence from clone 78F24 on chromosome 22q12.1-12.3. Contains one exon of an Oxysterol-binding protein (OSBP) LIKE gene. Contains GSSs and an STS, complete sequence//5.7e-45:334:82//AL022336  
 F-MAMMA1000516//Human DNA sequence from PAC 50A13 on chromosome Xp11. Contains ATP SYNTHASE LIPID BINDING PROTEIN P1 (P2, P3) precursor (ATPSG1, ATP5G2, ATP5G3) like pseudogene, ESTs and STSs. Contains polymorphic CA repeat//2.9e-43:529:69//Z92545  
 35 F-MAMMA1000522//Human DNA sequence from clone 20J23 on chromosome Xq26.2-27.2 Contains ras-related C3 botulinum toxin substrate 1 (P21-RAC1) (ras-like protein TC25) EST, CA repeat, STS, CpG island, complete sequence//2.0e-14:380:63//AL022576  
 40 F-MAMMA1000524//Homo sapiens chromosome 10 clone CIT-HSP-1338F24 map 10p11.2-10p12.1, complete sequence//1.4e-22:420:66//AC006101  
 F-MAMMA1000559//Human HepG2 3' region cDNA, clone hmd3f08//5.4e-29:168:97//D16922  
 F-MAMMA1000565//RPC111-61K6.TJ RPC111 Homo sapiens genomic clone R-61K6, genomic survey sequence//1.7e-120:561:100//AQ194238  
 45 F-MAMMA1000567//Human DNA sequence from PAC 179D3, between markers DXS6791 and DXS8038 on chromosome X contains S10 GTP-binding protein, ESTs and CpG island//3.1e-43:387:80//Z81370  
 F-MAMMA1000576//Homo sapiens BAC clone RG442F18 from 2, complete sequence//1.2e-30:237:75//AC005104  
 F-MAMMA1000583//RPC111-60M22.TJ RPC111 Homo sapiens genomic clone R-60M22, genomic survey sequence//9.6e-102:487:99//AQ198091  
 50 F-MAMMA1000585//Homo sapiens clone UWGC:djs14 from 7p14-15, complete sequence//5.2e-39:370:78//AC006195  
 F-MAMMA1000594//Homo sapiens chromosome 19, cosmid R31646, complete sequence//3.9e-43:328:83//AC005338  
 55 F-MAMMA1000597//Homo sapiens chromosome 17, clone hRPK.481\_C\_4, complete sequence//1.5e-32:259:82//AC005839  
 F-MAMMA1000605//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 97P20, WORKING DRAFT SEQUENCE//2.4e-59:318:83//AL031297

# EP 1 074 617 A2

F-MAMMA1000612//HS\_2188\_A2\_D02\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2188 Col=4 Row=G, genomic survey sequence.//4.8e-30:171:96//AQ116793

F-MAMMA1000616//HS\_3176\_A1\_E06\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3176 Col=11 Row=I, genomic survey sequence.//4.7e-28:287:79//AQ300310

5 F-MAMMA1000621//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 273F20, WORKING DRAFT SEQUENCE.//0.015:478:58//AL034371

F-MAMMA1000623

F-MAMMA1000625//DNA encoding Hepatitis C virus antigen.//0.93:196:61//E06898

F-MAMMA1000643//Homo sapiens nephrocytin (NPHP1) mRNA, partial cds.//0.95:365:59//AF023674

10 F-MAMMA1000664//HS\_3096\_B1\_C02\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3096 Col=3 Row=F, genomic survey sequence.//2.7e-51:257:99//AQ145137

F-MAMMA1000669//Homo sapiens chromosome 19, cosmid R26908, complete sequence.//2.0e-66:586:67//AC004785

F-MAMMA1000670//HS\_2243\_B2\_A08\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2243 Col=16 Row=B, genomic survey sequence.//8.7e-05:94:80//AQ153650

15 F-MAMMA1000672//Mus musculus clone OST8270, genomic survey sequence.//3.9e-64:471:81//AF046705

F-MAMMA1000684//Suid herpesvirus 1 Rsp40 mRNA, partial cds.//1.2e-07:186:67//U27489

F-MAMMA1000696//Human oligodendrocyte myelin glycoprotein (OMG) exons 1-2; neurofibromatosis 1 (NF1) exons 28-49; ecotropic viral integration site 2B (EVI2B) exons 1-2; ecotropic viral integration site 2A (EVI2A) exons 1-2; adenylylate kinase (AK3) exons 1-2.//3.0e-53:653:70//L05367

20 F-MAMMA1000707//CIT-HSP-2302019.TR CIT-HSP Homo sapiens genomic clone 2302O19, genomic survey sequence.//1.8e-08:131:77//AQ017947

F-MAMMA1000713//Rattus norvegicus cloneI polymeric immunoglobulin receptor mRNA 3' untranslated region, GA rich region, and microsatellites with GGA-triplet and GAA-triplet repeats.//0.062:134:67//U00762

25 F-MAMMA1000714//Chicken hsp90 gene for 90 kDa-heat shock protein 5'-end.//1.0:266:61//X15028

F-MAMMA1000718//CIT-HSP-2171B10.TF CIT-HSP Homo sapiens genomic clone 2171B10, genomic survey sequence.//3.6e-05:289:60//B95401

F-MAMMA1000720//Homo sapiens chromosome 19, cosmid R33632, complete sequence.//4.4e-184:842:98//AC005781

30 F-MAMMA1000723//Homo sapiens clone DJ0892G19, complete sequence.//8.8e-05:430:60//AC004917

F-MAMMA1000731//Drosophila melanogaster DNA sequence (P1 DS07049 (D133)), complete sequence.//3.8e-55:796:66//AC004274

F-MAMMA1000732//Homo sapiens chromosome 21q22.3 PAC 141B3, complete sequence, containing ribosomal protein homologue pseudogene L23a.//6.6e-77:555:74//AF064859

35 F-MAMMA1000733//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from MAL1P6, WORKING DRAFT SEQUENCE.//0.98:479:58//AL031749

F-MAMMA1000734//Homo sapiens SEC63 (SEC63) mRNA, complete cds.//7.3e-168:802:98//AF100141

F-MAMMA1000738//S.cerevisiae chromosome XIV reading frame ORF YNL132w.//8.6e-31:626:63//Z71408

F-MAMMA1000744//Gorilla Alu-repetitive sequence in beta-globin gene cluster.//2.7e-54:410:82//X06123

40 F-MAMMA1000746//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-10F4, complete sequence.//3.7e-109:779:83//AC004158

F-MAMMA1000752//Homo sapiens clone RG219E16, WORKING DRAFT SEQUENCE, 3 unordered pieces.//1.2e-20:444:63//AC005075

F-MAMMA1000760//Homo sapiens clone RG015P03, complete sequence.//1.5e-44:403:79//AC005048

45 F-MAMMA1000761//Homo sapiens Chromosome 7 BAC Clone 239c10, WORKING DRAFT SEQUENCE, 9 unordered pieces.//2.3e-22:159:81//AC004166

F-MAMMA1000775//Homo sapiens chromosome 17, clone hRPK.849\_N\_15, complete sequence.//1.3e-51:789:68//AC005703

F-MAMMA1000776//Human DNA sequence from BAC 57G9 on chromosome 22q12.1 Contains ESTs, CA repeat, GSS.//5.7e-40:238:78//Z95116

50 F-MAMMA1000778//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 153G14, WORKING DRAFT SEQUENCE.//7.6e-29:222:84//AL031118

F-MAMMA1000782//Human 2,4-dienoyl-CoA reductase gene, exon 9.//0.90:137:62//U94987

F-MAMMA1000798//\*\*\* SEQUENCING IN PROGRESS \*\*\* EPM1/APECED region of chromosome 21, clones A68E8, B127P21, B173L3, B23N8, C1242C9, C579E2, A70B6, B159G9, B175D10, B52C10, C124G1 Note: Sequencing in this region has been discontinued by the Stanford Human Genome Center, WORKING DRAFT SEQUENCE, 50 unordered pieces.//0.00058:163:71//AC003656

55 F-MAMMA1000802//Homo sapiens chromosome 19, cosmid R33729, complete sequence.//6.3e-151:714:99//

AC005339  
 F-MAMMA1000824//Homo sapiens 12p13.3 BAC RPCI11-543P15 (Roswell Park Cancer Institute Human BAC Library) complete sequence.//4.2e-104:503:99//AC005912  
 F-MAMMA1000831//Homo sapiens clone UWGC:g1211a139, complete sequence.//0.76:302:58//AC005502  
 5 F-MAMMA1000839//Human BAC clone RG013L03 from 7q21, complete sequence.//1.9e-54:322:68//AC002456  
 F-MAMMA1000841//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 968D22, WORKING DRAFT SEQUENCE.//6.7e-140:647:92//AL023755  
 F-MAMMA1000842//, complete sequence.//0.0068:499:59//AC005817  
 F-MAMMA1000843//Plasmodium falciparum 3D7 chromosome 12 PFYAC588 genomic sequence, WORKING DRAFT SEQUENCE, 2 unordered pieces.//0.13:439:59//AC004710  
 10 F-MAMMA1000845//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from MAL4P1, WORKING DRAFT SEQUENCE.//2.2e-05:208:64//AL034557  
 F-MAMMA1000851//Gallus domesticus filamin gene 5' region, partial cds.//0.86:193:63//U00146  
 F-MAMMA1000855//Human minisatellite region detected by myoglobin 33-repeat probe, clone lambda 33.10//  
 15 0.081:229:62//M30549  
 F-MAMMA1000856//B.taurus microsatellite marker ETH8 (D6S3) DNA.//0.0024:253:60//Z22747  
 F-MAMMA1000859//Sequence 6 from Patent WO9722695.//2.3e-79:533:82//A63553  
 F-MAMMA1000862  
 F-MAMMA1000863//Homo sapiens genomic DNA, chromosome 21q11.1, segment 21/28, WORKING DRAFT SE-  
 20 QUENCE.//1.0e-28:439:64//AP000050  
 F-MAMMA1000865  
 F-MAMMA1000867//CIT-HSP-2385J8.TR.1 CIT-HSP Homo sapiens genomic clone 2385J8, genomic survey se-  
 quence.//0.00017:158:70//AQ240906  
 F-MAMMA1000875//Homo sapiens DNA sequence from PAC 232G24 on chromosome Xq27.1-q27.3. Contains  
 25 two exons similar to MAGE gene family, EST, CA repeat, STS, complete sequence.//1.0:121:68//AL022152  
 F-MAMMA1000876//Homo sapiens clone HS19.6 Alu-Ya5 sequence.//8.4e-41:185:90//AF015152  
 F-MAMMA1000877//Homo sapiens DNA sequence from clone 78F24 on chromosome 22q12.1-12.3. Contains  
 one exon of an Oxysterol-binding protein (OSBP) LIKE gene. Contains GSSs and an STS, complete sequence.//  
 8.3e-57:522:75//AL022336  
 30 F-MAMMA1000880//Homo sapiens full-length insert cDNA clone ZD54A10.//5.2e-26:143:100//AF086327  
 F-MAMMA1000883//Human DNA sequence from clone 786D3 on chromosome 22q13.31-33 Contains GSS, com-  
 plete sequence.//0.99:225:63//AL023801  
 F-MAMMA1000897//R.norvegicus mRNA for plasma protein.//4.8e-07:479:58//Y11283  
 F-MAMMA1000905//F26L5TRB IGF Arabidopsis thaliana genomic clone F26L5, genomic survey sequence.//0.94:  
 35 115:66//B61433  
 F-MAMMA1000906//HS\_3110\_B2\_A11\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3110 Col=22 Row=B, genomic survey sequence.//2.5e-63:548:78//AQ182819  
 F-MAMMA1000908//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 27K12, WORKING  
 DRAFT SEQUENCE.//5.2e-80:480:90//AL033397  
 40 F-MAMMA1000914//Plasmodium falciparum MAL3P8, complete sequence.//7.6e-09:596:58//AL034560  
 F-MAMMA1000921//CIT-HSP-2171D8.TR CIT-HSP Homo sapiens genomic clone 2171D8, genomic survey se-  
 quence.//6.6e-07:249:66//889575  
 F-MAMMA1000931//Homo sapiens clone DJ0892G19, complete sequence.//2.9e-43:415:66//AC004917  
 F-MAMMA1000940//HS-1056-A2-E02-MF.abi CIT Human Genomic Sperm Library C Homo sapiens genomic  
 45 clone Plate=CT 778 Col=4 Row=I, genomic survey sequence.//6.1e-44:235:78//B47296  
 F-MAMMA1000941//Homo sapiens Chromosome 16 BAC clone CIT987-SKA-113A6 complete genomic se-  
 quence, complete sequence.//9.4e-48:443:75//AC002299  
 F-MAMMA1000942//Human DNA sequence from clone 914P14 on chromosome Xq23 Contains calpain-like pro-  
 tease gene, DCX (doublecortin) ESTs, CA repeat, GSS, complete sequence.//1.8e-14:175:76//AL031117  
 50 F-MAMMA1000943//Plasmodium falciparum 3D7 chromosome 12 PFYAC492 genomic sequence, WORKING  
 DRAFT SEQUENCE, 5 unordered pieces.//0.0082:684:56//AC005308  
 F-MAMMA1000956//Homo sapiens chromosome 16, cosmid clone 363E3 (LANL), complete sequence.//3.3e-30:  
 530:67//AC004643  
 F-MAMMA1000957//HS\_3039\_A2\_C08\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 55 nomic clone Plate=3039 Col=16 Row=E, genomic survey sequence.//1.3e-72:390:94//AQ155121  
 F-MAMMA1000962//Homo sapiens clone DJ0756H11, WORKING DRAFT SEQUENCE, 5 unordered pieces.//  
 1.8e-58:318:86//AC006001  
 F-MAMMA1000968//Homo sapiens DNA sequence from clone 511B24 on chromosome 20q11.2-12. Contains the

- TOP1 gene for Topoisomerase I, the PLCG1 gene for 1-Phosphatidylinositol-4,5-Bisphosphate Phosphodiesterase Gamma 1 (EC 3.1.4.11, PLC-Gamma-1, Phospholipase C-Gamma-1 PLC-II, PLC-148), the KIAA0395 gene for a probable Zinc Finger Homeobox protein and a 60S Ribosomal Protein L23 LIKE pseudogene. Contains a predicted CpG island, ESTs, STSs and GSSs, complete sequence//1.4e-18:396:65//AL022394
- 5 F-MAMMA1000975//Human DNA sequence from clone 34417 on chromosome Xp11.21-11.3. Contains a Keratin, Type II Cytoskeletal 8 (Cytokeratin 8, CYK8, KRT8) pseudogene, ESTs and a GSS, complete sequence//1.4e-79:690:77//AL024458
- F-MAMMA1000979//Homo sapiens PAC clone DJ1186C01 from 7q21.2-q31.1, complete sequence//0.089:214:66//AC004991
- 10 F-MAMMA1000987//Human PAC clone DJ527C21 from Xq23, complete sequence//1.1e-58:458:82//AC000114
- F-MAMMA1000998//Human DNA sequence from PAC 997K18 on chromosome 20p12. Contains ESTs and CA repeat//1.1e-05:439:62//AL021406
- F-MAMMA1001003//Homo sapiens DNA sequence from PAC 93L7 on chromosome Xq21. Contains part of the CHM (TCD, REP1) gene coding for RAB Escort protein 1 (REP-1, RAB proteins geranylgeranyltransferase component A 1, Choroideraemia protein, Tapetochooidal Dystrophy (TCD) protein). Contains ESTs and an STS, complete sequence//0.24:166:68//AL022401
- 15 F-MAMMA1001008//Homo sapiens \*\*\* SEQUENCING IN PROGRESS \*\*\*, WORKING DRAFT SEQUENCE//1.6e-103:139:99//AJ011929
- F-MAMMA1001021//Homo sapiens clone 24544 beta-dystrobrevin mRNA, partial cds//6.5e-48:465:76//AF070567
- 20 F-MAMMA1001024//CITBI-E1-2501L21.TF.1 CITBI-E1 Homo sapiens genomic clone 2501L21, genomic survey sequence//1.0:175:62//AQ241701
- F-MAMMA1001030//Homo sapiens G protein-coupled receptor LGR5 (LGR5) mRNA, complete cds//1.1e-30:753:6//1AF061444
- 25 F-MAMMA1001035//Human Chromosome 16 BAC clone CIT987SK-A-1000D7, complete sequence//7.9e-24:256:76//AC002990
- F-MAMMA1001038//CIT-HSP-2284N21.TF CIT-HSP Homo sapiens genomic clone 2284N21, genomic survey sequence//0.96:78:75//AQ000903
- F-MAMMA1001041//chicken mRNA for alpha-actinin, complete cds//2.8e-09:355:63//D26597
- 30 F-MAMMA1001050//Homo sapiens BAC clone RG060P12 from 7q21, complete sequence//2.6e-40:378:76//AC002457
- F-MAMMA1001059//Mouse RNA helicase and RNA-dependent ATPase from the DEAD box family mRNA, complete cds//4.8e-97:661:83//L25125
- F-MAMMA1001067//Homo sapiens genomic intron breakpoint sequence of MLL rearrangement, 285 bp//2.8e-18:110:100//AJ000169
- 35 F-MAMMA1001073//HS\_3046\_A2\_G08\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3046 Col=16 Row=M, genomic survey sequence//1.0:142:68//AQ098420
- F-MAMMA1001074//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 455J7, WORKING DRAFT SEQUENCE//1.2e-23:386:70//AL031733
- 40 F-MAMMA1001075//Homo sapiens (clone F4) transmembrane protein mRNA sequence//1.1e-27:559:65//L09749
- F-MAMMA1001078//Homo sapiens chromosome 17, clone hRPK.346\_K\_10, complete sequence//2.0e-22:334:69//AC006120
- F-MAMMA1001080//Human immunoglobulin heavy chain variable region (VH III family) from IgM rheumatoid factor//6.4e-58:327:92//L29155
- 45 F-MAMMA1001082//Homo sapiens Xp22 GSHB-314C4 (Genome Systems Human BAC library) complete sequence//3.8e-87:695:77//AC004087
- F-MAMMA1001091//Homo sapiens chromosome 19, cosmid F21967, complete sequence//7.0e-05:594:60//AC005256
- F-MAMMA1001092//Human DNA sequence from PAC 49C23 on chromosome X contains malate dehydrogenase pseudogene and STS//1.6e-91:174:87//Z93019
- 50 F-MAMMA1001105//Homo sapiens OVO-like 1 binding protein (OVOL1) mRNA, complete cds//6.4e-23:507:66//AF016045
- F-MAMMA1001110//Homo sapiens chromosome 19, cosmid F16815, complete sequence//0.77:316:60//AC004637
- 55 F-MAMMA1001126//Homo sapiens PAC 50H2 in the CUTL1 locus, complete sequence//3.3e-21:237:73//AF047825
- F-MAMMA1001133//Human DNA sequence from BAC 57G9 on chromosome 22q12.1 Contains ESTs, CA repeat, GSS//0.97:202:63//Z95116

F-MAMMA1001139//tricarboxylate carrier [rats, liver, mRNA Partial, 2986 nt]//1.6e-84:406:82//S70011  
 F-MAMMA1001143//Homo sapiens DNA sequence from cosmid N75B3 on chromosome 22 Contains EST, exon  
 trap, complete sequence//1.3e-14:182:76//AL022339  
 F-MAMMA1001145//Human DNA sequence from cosmid cU115G11, between markers DXS6791 and DXS8038  
 5 on chromosome X contains ESTs and STS.//5.2e-87:714:78//Z71187  
 F-MAMMA1001154//CIT-HSP-2341D13.TF CIT-HSP Homo sapiens genomic clone 2341D13 genomic survey se-  
 quence.//0.00051:249:61//AQ055735  
 F-MAMMA1001161//Homo sapiens chromosome 14, BAC CITB-135H17 containing the RAD51L1 gene, complete  
 sequence.//2.2e-30:410:70//AC004518  
 10 F-MAMMA1001162//Homo sapiens full-length insert cDNA clone ZA79C01.//2.4e-13:87:100//AF086123  
 F-MAMMA1001181//Mus musculus C2C12 unknown mRNA, partial cds.//9.3e-15:432:60//U31629  
 F-MAMMA1001186//Homo sapiens chromosome 17, clone hRPK.74\_E\_22, complete sequence.//6.8e-57:670:  
 72//AC005696  
 F-MAMMA1001191  
 15 F-MAMMA1001198//Mus musculus eps15R mRNA, complete cds.//1.5e-117:759:84//U29156  
 F-MAMMA1001202  
 F-MAMMA1001203//Homo sapiens chromosome 17, clone hRPK.22\_N\_12, WORKING DRAFT SEQUENCE, 2  
 ordered pieces.//1.5e-161:764:98//AC005412  
 F-MAMMA1001206//Homo sapiens chromosome 17, clone HCIT421K24, complete sequence.//5.1e-30:535:65//  
 20 AC004099  
 F-MAMMA1001215//Homo sapiens chromosome 19, CIT-HSP BAC 470n8, complete sequence.//8.4e-182:860:  
 98//AC005393  
 F-MAMMA1001220//Homo sapiens PAC clone DJ0745K06 from 7q31, complete sequence.//7.7e-58:690:70//  
 AC004875  
 25 F-MAMMA1001222//Mouse loricrin mRNA, complete cds.//2.7e-07:624:58//M34398  
 F-MAMMA1001243//Homo sapiens chromosome 17, clone hRPK.192\_H\_23, complete sequence.//0.91:177:66//  
 AC005726  
 F-MAMMA1001244  
 F-MAMMA1001249//Human 28S ribosomal RNA psuedogenes and alu repeat region sequence.//6.7e-09:502:58//  
 30 U67616  
 F-MAMMA1001256//Human DNA sequence from clone 441J1 on chromosome 6p24 Contains STS, GSS, com-  
 plete sequence.//5.0e-37:342:80//Z99495  
 F-MAMMA1001259  
 F-MAMMA1001260//Homo sapiens mRNA for KIAA0661 protein, complete cds.//8.7e-40:659:64//AB014561  
 35 F-MAMMA1001268//Homo sapiens PAC clone DJ0844F09 from 7p12-p13, complete sequence.//4.9e-43:265:81//  
 AC004453  
 F-MAMMA1001271//Salmo salar DNA for a cryptic repeat.//2.6e-06:311:63//AJ012206  
 F-MAMMA1001274//Homo sapiens clone DJ0607J02, WORKING DRAFT SEQUENCE, 12 unordered pieces.//  
 6.6e-70:327:83//AC004840  
 40 F-MAMMA1001280//Homo sapiens Xp22 bins 87-93 PAC RPCI1-122K4 (Roswell Park Cancer Institute Human  
 PAC Library) complete sequence.//1.0e-05 :276:66//AC003035  
 F-MAMMA1001292//Human DNA sequence from clone 1170K4 on chromosome 22q12.2-13.1. Contains three  
 novel genes, one of which codes for a Trypsin family protein with class A LDL receptor domains, and the IL2RB  
 gene for Interleukin 2 Receptor, Beta (IL-2 Receptor, CD122 antigen). Contains a putative CpG island, ESTs, and  
 45 GSSs, complete sequence.//3.6e-98:199:98//AL022314  
 F-MAMMA1001296//RPCI11-38B4.TV RPCI-11 Homo sapiens genomic clone RPCI-11-38B4, genomic survey se-  
 quence.//4.7e-33:292:71//AQ030084  
 F-MAMMA1001298//Homo sapiens chromosome 17, clone hRPK.849\_N\_15, complete sequence.//1.6e-182:860:  
 98//AC005703  
 50 F-MAMMA1001305//Human DNA sequence from clone 116F5 on chromosome 22q13. Contains part of an un-  
 known gene and part of a RhoGAP (CDC42 GTPase Activating Protein) LIKE gene. Contains ESTs, STSs, GSSs,  
 genomic marker D22S1168 and a CA repeat polymorphism, complete sequence.//1.9e-70:163:97//Z93244  
 F-MAMMA1001322//Human DNA sequence from clone 774I24 on chromosome 1q24.1-24.3 Contains protein simi-  
 lar to pregnancy-associated plasma protein A precursor neuronal migration protein astrotactin, ESTs, STS and  
 55 GSS, complete sequence.//2.6e-19:379:68//AL031290  
 F-MAMMA1001324//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 197L1, WORKING  
 DRAFT SEQUENCE.//4.5e-131:751:90//AL031390  
 F-MAMMA1001330

# EP 1 074 617 A2

F-MAMMA1001341//Sus scrofa//1.6e-36:420:73//Z46906  
F-MAMMA1001343//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from MAL1P1, WORK-  
ING DRAFT SEQUENCE//1.1e-05:818:58//AL031744  
F-MAMMA1001346  
5 F-MAMMA1001383//Homo sapiens, WORKING DRAFT SEQUENCE, 52 unordered pieces//2.0e-44:505:74//  
AC004086  
F-MAMMA1001388//Human IGF binding protein complex acid-labile subunit a mRNA, complete cds//1.5e-07:415:  
58//M86826  
F-MAMMA1001397//Human DNA sequence from clone 462D8 on chromosome 22q11.21-12.1 Contains EST, STS  
10 and GSS, complete sequence//1.6e-23 :209:75//AL022332  
F-MAMMA1001408//HS\_3242\_A1\_H11\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
nomic clone Plate=3242 Col=21 Row=O, genomic survey sequence//2.7e-07:181:69//AQ207300  
F-MAMMA1001411//Homo sapiens autosomal dominant polycystic kidney disease type II protein (PKD2) gene,  
exon 14//0.98:120:68//AF004872  
15 F-MAMMA1001419//HS\_2053\_B1\_F12\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
nomic clone Plate=2053 Col=23 Row=L, genomic survey sequence//1.9e-75 :424:93//AQ244585  
F-MAMMA1001420//Homo sapiens chromosome 4 clone B203C23 map 4q25, complete sequence//2.4e-09:199:  
70//AC004049  
F-MAMMA1001435//Homo sapiens chromosome 16p11.2 BAC clone CIT987SK-2011O4, WORKING DRAFT SE-  
20 QUENCE, 4 unordered pieces//5.1e-42:558:69//AC004529 F-MAMMA1001442//Plasmodium falciparum chromo-  
some 2, section 37 of 73 of the complete sequence//0.0019:516:56//AE001400  
F-MAMMA1001446//Homo sapiens Xp22 BAC GSHB-519E5 (Genome Systems Human BAC library) complete  
sequence//3.6e-42:486:70//AC003684  
F-MAMMA1001452//RPC11-48022.TJ RPC11 Homo sapiens genomic clone R-48O22, genomic survey se-  
25 quence//5.3e-87:423:98//AQ199294  
F-MAMMA1001465//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 414D7, WORKING  
DRAFT SEQUENCE//0.00038:114:75//AL033543  
F-MAMMA1001476//Mus musculus uridine kinase mRNA, partial cds//4.1e-99:604:87//L31783  
F-MAMMA1001487//Homo sapiens clone DJ1070G24, WORKING DRAFT SEQUENCE, 12 unordered pieces//  
30 1.0e-13:158:77//AC005486  
F-MAMMA1001501//Human mRNA for calcium activated neutral protease large subunit (muCANP, calpain, EC  
3.4.22.17)//9.6e-52:438:81//X04366  
F-MAMMA1001502//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 356B7, WORKING  
DRAFT SEQUENCE//3.7e-152:720:99//AL031714  
35 F-MAMMA1001510//Human PAC clone DJ438O4 from 22q12.1-qter, complete sequence//1.1e-05:371:61//  
AC002378  
F-MAMMA1001522  
F-MAMMA1001547  
F-MAMMA1001551//Homo sapiens mRNA for KIAA0462 protein, partial cds//2.3e-128:614:98//AB007931  
40 F-MAMMA1001575//Human Chromosome 16 BAC clone CIT987SK-A-815A9, complete sequence//0.97:154:68//  
AF001548  
F-MAMMA1001576//Human gamma-tubulin mRNA, complete cds//1.8e-95:529:91//M61764  
F-MAMMA1001590//Human DNA sequence from clone 125H2 on chromosome 22q11-12 Contains part of myosin  
heavy chain gene, EST, CA repeat, STS, GSS, complete sequence//1.8e-07:104:84//Z98949  
45 F-MAMMA1001600//HS\_3022\_A2\_H01\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
nomic clone Plate=3022 Col=2 Row=O, genomic survey sequence//1.6e-66:405:90//AQ163791  
F-MAMMA1001604//Human DNA sequence from clone 1114G22 on chromosome 1q24-25 Contains EST, CA re-  
peat, Ninenin like sequence, complete sequence//0.00043:715:58//AL008626  
F-MAMMA1001606//jd114 Trypanosome Shotgun M13 genomic Trypanosoma brucei brucei genomic clone 2G6,  
50 genomic survey sequence//0.19:266:62//B13685  
F-MAMMA1001620//Homo sapiens monocyte/neutrophil elastase inhibitor gene, complete cds//9.7e-54:442:69//  
AF053630  
F-MAMMA1001627//X.borealis ribosomal spacer DNA, with a DNaseI-hypersensitive site//0.14:221:62//M29833  
F-MAMMA1001630//Homo sapiens chromosome 17, clone hRPK.22\_N\_12, WORKING DRAFT SEQUENCE, 2  
55 ordered pieces//2.0e-47:611:71//AC005412  
F-MAMMA1001633//Human zinc finger protein (LD5-1) mRNA, complete cds//1.1e-42:611:67//U57796  
F-MAMMA1001635//Human BAC clone RG072E11 from 7q21-7q22, complete sequence//4.0e-35:407:70//  
AC000118

- F-MAMMA1001649//Human DNA sequence from clone 353H6 on chromosome Xq25-26.2. Contains the alternatively spliced SMARCA1 gene for SW1/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 1 (SNF2L1) and a 40S Ribosomal Protein S26 pseudogene. Contains ESTs, STSs and GSSs, complete sequence.//0.44:245:63//AL022577
- 5 F-MAMMA1001654//Mouse transcriptional control element.//0.0025:189:63//M17284
- F-MAMMA1001663//CIT-HSP-2165E16.TR CIT-HSP Homo sapiens genomic clone 2165E16, genomic survey sequence.//9.7e-05:146:66//B95491
- F-MAMMA1001670//HS\_3136\_A1\_G06\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3136 Col=11 Row=M, genomic survey sequence.//3.1e-28:237:85//AQ148779
- 10 F-MAMMA1001671//Homo sapiens chromosome 19, cosmid F23269, complete sequence.//3.3e-181:863:98//AC005614
- F-MAMMA1001679//HS\_3054\_A1\_H11\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3054 Col=21 Row=O, genomic survey sequence.//1.0:89:70//AQ106118
- F-MAMMA1001683//Spermatozoopsis similis mRNA for 90 kD basal apparatus-protein.//8.3e-07:480:62//AJ224970
- 15 F-MAMMA1001686//HS\_3219\_B1\_A03\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3219 Col=5 Row=B, genomic survey sequence.//0.00072:180:65//AQ180345
- F-MAMMA1001692//HS\_3047\_B1\_B10\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3047 Col=19 Row=D, genomic survey sequence.//2.5e-94:459:98//AQ134228
- 20 F-MAMMA1001711//Homo sapiens clone DJ0635O05, WORKING DRAFT SEQUENCE, 7 unordered pieces.//1.2e-42:316:82//AC004845
- F-MAMMA1001715//CIT-HSP-2347A14.TF CIT-HSP Homo sapiens genomic clone 2347A14, genomic survey sequence.//1.1e-60:413:87//AQ059125
- F-MAMMA1001730//Homo sapiens brain and nasopharyngeal carcinoma susceptibility protein NSG-x mRNA, partial cds.//1.8e-133:646:97//AF095687
- 25 F-MAMMA1001735//chicken brain tubulin beta chain mrna.//3.5e-110:740:84//J00913
- F-MAMMA1001740//Human DNA sequence from PAC 136017 on chromosome X contains ESTs and STS.//0.98:416:57//Z72001
- F-MAMMA1001743//Homo sapiens clone DJ0981O07, complete sequence.//3.2e-16:194:75//AC006017
- 30 F-MAMMA1001744//Homo sapiens DNA sequence from clone 46618 on chromosome Xq11.1-13.2. Contains an unknown gene similar to Coagulation Factor V (Activated Protein C Cofactor), Coagulation Factor VIII (Procoagulant Component) and Ceruloplasmin (EC 1.16.3.1, Ferroxidase). Contains ESTs and an STS, complete sequence.//0.0036:181:66//AL030998
- F-MAMMA1001745//Homo sapiens BAC clone 529F11 from 8q21, complete sequence.//1.2e-60:822:68//AF070718
- 35 F-MAMMA1001751//Human potassium channel KCNO1 mRNA, complete cds.//1.2e-35:583:65//U90065
- F-MAMMA1001754//Bos taurus vacuolar proton pump subunit SFD alpha isoform (SFD) mRNA, complete cds.//8.4e-102:627:87//AF041338
- F-MAMMA1001757//HS\_2058\_B2\_C04\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2058 Col=8 Row=F, genomic survey sequence.//1.7e-24:173:88//AQ243865
- 40 F-MAMMA1001760//Human DNA sequence from clone 354N19 on chromosome 6q22. Contains the 3' part of the gene for Mannosyl-Oligosaccharide Alpha-1,2-Mannosidase (Man(9)-alpha-mannosidase, EC 3.2.1.113), a Cytochrome C Oxidase Polypeptide I (EC 1.9.3.1) pseudogene and a pseudogene similar to 60S Ribosomal Protein L13A. Contains genomic markers D6S287 and D6S1696, ESTs, STSs, GSSs and two CA repeat polymorphisms, complete sequence.//6.6e-76:349:87//AL022722
- 45 F-MAMMA1001764//Saccharomyces douglasii mitochondrial cytochrome c oxidase subunit I (COXI) gene, complete cds.//0.23:633:57//M97514
- F-MAMMA1001768//Bovine herpesvirus 1 complete genome.//2.3e-11:547:60//AJ004801
- F-MAMMA1001769//Homo sapiens 12q13.1 PAC RPC1-228P16 (Roswell Park Cancer Institute Human PAC Library) complete sequence.//1.1e-76:509:78//AC004801
- 50 F-MAMMA1001771//M.musculus mRNA for semaphorin B.//2.7e-106:744:82//X85991
- F-MAMMA1001783//Human PAC clone 127H14 from 12q, complete sequence.//6.0e-20:228:75//AC002563
- F-MAMMA1001785
- 55 F-MAMMA1001788//Human DNA sequence from clone 425C14 on chromosome 6q22 Contains the HSF2 gene for Heat Shock Factor 2 (Heat Shock Transcription Factor 2, HSTF 2) and an unknown gene similar to the placental protein DIFF33 gene. Contains ESTs, STSs and GSSs, complete sequence.//5.0e-05:152:74//Z99129
- F-MAMMA1001790//Homo sapiens chromosome 12p13.3 clone RPC13-454B23, WORKING DRAFT SEQUENCE, 48 unordered pieces.//4.5e-53:318:80//AC005845

# EP 1 074 617 A2

F-MAMMA1001806//Homo sapiens chromosome 19, cosmid R29368, complete sequence.//1.0:131:67//AC004262  
 F-MAMMA1001812//Human Chromosome X clone bWXD187, complete sequence.//3.0e-34:257:83//AC004383  
 F-MAMMA1001815//Homo sapiens PAC clone DJ0850G01 from 7q21.2-q22, complete sequence.//5.2e-61:516:79//AC004128  
 5 F-MAMMA1001817//Homo sapiens 12q24 PAC RPCI1-261P5 (Roswell Park Cancer Institute Human PAC library) complete sequence.//3.1e-32:295:78//AC004031  
 F-MAMMA1001818//Homo sapiens chromosome 21q22.3, PAC clones 314N7, 225L15, BAC clone 7B7, complete sequence bases 1.333303//0.71:179:67//AJ011930  
 10 F-MAMMA1001820//Rattus norvegicus mRNA for PAG608 gene.//3.0e-91:726:79//Y13148  
 F-MAMMA1001824//HS\_3108\_A1\_G12\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3108 Col=23 Row=M, genomic survey sequence.//3.4e-05:119:74//AQ107508  
 F-MAMMA1001836//Homo sapiens chromosome 18, clone hRPK.537\_E\_1, complete sequence.//3.4e-45:312:85//AC006211  
 15 F-MAMMA1001837//Rattus norvegicus zinc finger protein Y1 (RLZF-Y) mRNA, complete cds.//4.5e-51:480:75//AF052042  
 F-MAMMA1001848//CITBI-E1-2516P17.TF CITBI-E1 Homo sapiens genomic clone 2516P17, genomic survey sequence.//1.0e-100:486:98//AQ279620  
 F-MAMMA1001851//Human DNA from overlapping chromosome 19-specific cosmids R30072 and R28588, genomic sequence, complete sequence.//5.1e-07:197:67//AC002390  
 20 F-MAMMA1001854  
 F-MAMMA1001858//RPCI11-11L22.TP RPCI-11 Homo sapiens genomic clone RPCI-11-11L22, genomic survey sequence.//0.091:161:65//B75631  
 F-MAMMA1001864//Human PAC clone DJ0205E24 from Xq23, complete sequence.//2.6e-09:397:61//AC003013  
 25 F-MAMMA1001868//HS\_2196\_B2\_A12\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2196 Col=24 Row=B, genomic survey sequence.//5.8e-13:86:100//AQ032455  
 F-MAMMA1001874//H.sapiens CpG island DNA genomic Mse1 fragment, clone 63h5, reverse read cpg63h5.rta.//1.0:127:63//Z62129  
 F-MAMMA1001878//Human DNA sequence from BAC 999D10 on chromosome 22q13.3. Contains two BAC end-sequences (GSSs).//1.7e-19:372:67//Z94802  
 30 F-MAMMA1001880//RPCI11-90K3.TJ RPCI11 Homo sapiens genomic clone R-90K3, genomic survey sequence.//6.6e-11:362:62//AQ283465  
 F-MAMMA1001890//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 508I15, WORKING DRAFT SEQUENCE.//1.8e-45:317:86//AL021707  
 35 F-MAMMA1001907//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 424J12, WORKING DRAFT SEQUENCE.//2.7e-23:255:77//Z82207  
 F-MAMMA1001908//HS\_2225\_A1\_A03\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2225 Col=5 Row=A, genomic survey sequence.//5.4e-08:264:62//AQ301597  
 F-MAMMA1001931//HS\_3049\_B2\_D09\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3049 Col=18 Row=H, genomic survey sequence.//1.7e-47:295:90//AQ100157  
 40 F-MAMMA1001956//H.sapiens DNA sequence.//0.056:233:66//Z22493  
 F-MAMMA1001963//Homo sapiens adenylosuccinate lyase gene, complete cds.//0.99:173:68//AF106656  
 F-MAMMA1001969//Human DNA sequence from cosmid 232L22, between markers DXS366 and DXS87 on chromosome X contains ESTs glycerol kinase pseudogene.//5.3e-63:479:78//Z73986  
 45 F-MAMMA1001970//Homo Sapiens BAC clone BK085E05 from 22q12.1-qter, complete sequence.//1.4e-126:699:93//AC003071  
 F-MAMMA1001992//HS\_3078\_A1\_A09\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3078 Col=17 Row=A, genomic survey sequence.//3.3e-08:257:65//AQ143646  
 F-MAMMA1002009//Homo sapiens chromosome 17, clone hRPK.214\_O\_I, complete sequence.//1.5e-07:244:62//AC005224  
 50 F-MAMMA1002011//HS\_3252\_B1\_B05\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3252 Col=9 Row=D, genomic survey sequence.//1.3e-07:170:69//AQ304711  
 F-MAMMA1002032//Homo sapiens chromosome 12p13.3, WORKING DRAFT SEQUENCE, 37 unordered pieces.//2.1e-34:315:79//AC004803  
 55 F-MAMMA1002033//HS\_3023\_A2\_G04\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3023 Col=8 Row=M, genomic survey sequence.//4.3e-69:366:94//AQ105493  
 F-MAMMA1002041//Genomic sequence from Human 9q34, complete sequence.//5.3e-85:439:82//AC001227  
 F-MAMMA1002042//Homo sapiens chromosome 3, clone hRPK.165\_I\_16, complete sequence.//1.4e-20:314:70//



- AC005669  
F-MAMMA1002047//Homo sapiens 12p13.3 BAC RPC11-429A20 (Roswell Park Cancer Institute Human BAC Library) complete sequence.//6.8e-14:526:62//AC005906
- 5 F-MAMMA1002056//Human DNA sequence from clone 1189B24 on chromosome Xq25-26.3. Contains NADH-Ubiquinone Oxidoreductase MLRQ subunit (EC 1.6.5.3, EC 1.6.99.3, CI-MLRQ), Tubulin Beta and Proto-oncogene Tyrosine-protein Kinase FER (EC 2.7.1.112, P94-FER, C-FER, TYK3) pseudogenes, and part of a novel gene similar to hypothetical proteins S. pombe C22F3.14C and C. elegans C16A3.8. Contains ESTs, an STS and GSSs, complete sequence.//1.1e-47:648:71//AL030996
- 10 F-MAMMA1002058//Homo sapiens PAC clone DJ0732C22 from 7p11.2-p13, complete sequence.//2.4e-19:256:74//AC004869
- F-MAMMA1002068//Homo sapiens, clone hRPK.2\_A\_1, complete sequence.//5.4e-41:407:78//AC006197
- F-MAMMA1002078//Human DNA sequence from PAC 106120 on chromosome 22q12 Contains ESTs and STS, complete sequence.//0.021:333:64//Z81313
- 15 F-MAMMA1002082
- F-MAMMA1002084//Caenorhabditis elegans cosmid F28C12, complete sequence.//0.032:469:58//Z93380
- F-MAMMA1002093//HS\_3050\_B1\_F06\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3050 Col=11 Row=L, genomic survey sequence.//1.0:77:71//AQ105997
- F-MAMMA1002108//Homo sapiens anion exchanger 3 gene, exons 1 and 2 and complete 5'UTR.//8.3e-10:464:60//AF017308
- 20 F-MAMMA1002118
- F-MAMMA1002125//Homo sapiens chromosome 17, clone HCIT217L10, complete sequence.//1.0e-35:619:68//AC003962
- F-MAMMA1002132//RPC11-78F11.TJ RPC11 Homo sapiens genomic clone R-78F11, genomic survey sequence.//1.0e-90:357:97//AQ286460
- 25 F-MAMMA1002140//Homo sapiens 12q24 PAC RPC11-66E7 (Roswell Park Cancer Institute Human PAC library) complete sequence.//1.6e-45:583:64//AC004216
- F-MAMMA1002143//Human serum constituent protein (MSE55) mRNA, complete cds.//6.0e-11:192:70//M88338
- F-MAMMA1002145//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 102D24, WORKING DRAFT SEQUENCE.//0.0028:570:59//AL021391
- 30 F-MAMMA1002153//HS\_3005\_A1\_D04\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3005 Col=7 Row=G, genomic survey sequence.//4.9e-41:213:99//AQ132213
- F-MAMMA1002155//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 462O23, WORKING DRAFT SEQUENCE.//1.2e-45:303:78//AL031431
- 35 F-MAMMA1002156
- F-MAMMA1002158//CITBI-E1-2508P18.TR CITBI-E1 Homo sapiens genomic clone 2508P18, genomic survey sequence.//7.1e-42:255:92//AQ266165
- F-MAMMA1002170//Homo sapiens chromosome 17, clone HCIT187M2, complete sequence.//2.0e-81:604:81//AC004448
- 40 F-MAMMA1002174//Homo sapiens clone UWGC:y67c126 from 6p21, complete sequence.//3.2e-43:333:83//AC004212
- F-MAMMA1002198//H.sapiens thiol-specific antioxidant protein mRNA.//1.0e-34:121:98//Z22548
- F-MAMMA1002209//HS\_2197\_B1\_E07\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2197 Col=13 Row=J, genomic survey sequence.//9.6e-18:163:84//AQ210058
- 45 F-MAMMA1002215//Homo sapiens anion exchanger 3 gene, exons 1 and 2 and complete 5'UTR.//6.3e-08:435:60//AF017308
- F-MAMMA1002219//Rattus norvegicus rexo70 mRNA, complete cds.//1.8e-124:752:87//AF032667
- F-MAMMA1002230//Plasmodium falciparum 3D7 chromosome 12 PFYAC588 genomic sequence, WORKING DRAFT SEQUENCE, 2 unordered pieces.//0.67:356:59//AC004710
- 50 F-MAMMA1002236//Rattus norvegicus initiation factor eIF-2B gamma subunit (eIF-2B gamma) mRNA, complete cds.//9.3e-140:836:87//U38253
- F-MAMMA1002243//Homo sapiens chromosome 17, clone hRPK.112\_H\_10, complete sequence.//1.4e-145:691:98//AC005666
- F-MAMMA1002250//Homo sapiens chromosome 16, P1 clone 109-9G (LANL), complete sequence.//6.0e-138:660:98//AC005600
- 55 F-MAMMA1002267//Homo sapiens chromosome 2, P1 clone 777H5 (LBNL H27), complete sequence.//0.066:333:60//AC003676
- F-MAMMA1002268//Mus musculus sphingosine kinase (SPHK1a) mRNA, partial cds.//1.1e-39:404:74//AF068748
- F-MAMMA1002269//HS\_3163\_B1\_D03\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-

# EP 1 074 617 A2

nomic clone Plate=3163 Col=5 Row=H, genomic survey sequence.//1.0:150:63//AQ171576  
 F-MAMMA1002282//Human Chromosome 16 BAC clone CIT987SK-327O24, complete sequence.//1.5e-22:315:  
 67//AC003108  
 F-MAMMA1002292//B.garinii (strain Tls1) p83/100 gene (partial).//0.73:200:64//X81533  
 5 F-MAMMA1002293//Homo sapiens clone DJ1147A01, WORKING DRAFT SEQUENCE, 25 unordered pieces.//  
 1.6e-56:408:75//AC006023  
 F-MAMMA1002294//Sequence 2 from Patent WO9516779.//1.8e-06:401:62//A45258  
 F-MAMMA1002297  
 10 F-MAMMA1002298//Homo sapiens DNA from chromosome 19, cosmid R29144, complete sequence.//0.0056:  
 525:61//AC004221  
 F-MAMMA1002299//CIT-HSP-2345B2.TR CIT-HSP Homo sapiens genomic clone 2345B2, genomic survey se-  
 quence.//1.2e-90:446:98//AQ053994  
 F-MAMMA1002308//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 850H21, WORKING  
 DRAFT SEQUENCE.//1.3e-35:329:78//AL031680  
 15 F-MAMMA1002310//Human gastric (H<sup>+</sup> + K<sup>+</sup>)-ATPase gene, complete cds.//0.0060:301:60//J05451  
 F-MAMMA1002311//Human Chromosome 15q11-q13 clone pDJ276c12 from the Prader-Willi/Angelman syn-  
 drome region, WORKING DRAFT SEQUENCE, 3 unordered pieces.//8.6e-50:327:69//AC004737  
 F-MAMMA1002312//Homo sapiens DNA sequence from PAC 435D1 on chromosome Xq25. Contains ESTs and  
 STS.//1.3e-09:741:58//Z86064  
 20 F-MAMMA1002317  
 F-MAMMA1002319//Homo sapiens chromosome 19, fosmid 39347, complete sequence.//1.9e-158:746:99//  
 AC005756  
 F-MAMMA1002322//Homo sapiens Chromosome 11p14.3 PAC clone pDJ1034g4, complete sequence.//5.3e-52:  
 617:70//AC004796  
 25 F-MAMMA1002329//Homo sapiens RaP2 interacting protein 8 (RPIP8) mRNA, complete cds.//0.22:143:67//  
 U93871  
 F-MAMMA1002332//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 30G7, WORKING  
 DRAFT SEQUENCE.//1.6e-31:287:74//AL034402  
 F-MAMMA1002333//Mycobacterium tuberculosis H37Rv complete genome; segment 148/162.//2.5e-09:674:59//  
 30 AL022022  
 F-MAMMA1002339//Homo sapiens chromosome 21q22.3, cosmid clone Q4H9 complete sequence bases  
 1.41604.//2.1e-57:522:77//AJ011932  
 F-MAMMA1002347//Homo sapiens BAC clone RG136N17 from 7p15-p21, complete sequence.//2.0e-14:258:69//  
 AC004129  
 35 F-MAMMA1002351//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1059H15, WORK-  
 ING DRAFT SEQUENCE.//7.8e-132:723:91//AL022100  
 F-MAMMA1002352//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 128O3, WORKING  
 DRAFT SEQUENCE.//5.8e-17:326:70//Z98742  
 F-MAMMA1002353//Homo sapiens clone DJ0292L20, WORKING DRAFT SEQUENCE, 2 unordered pieces.//  
 40 1.1e-14:399:63//AC004825  
 F-MAMMA1002355//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 109G6, WORKING  
 DRAFT SEQUENCE.//3.7e-43:420:75//AL023879  
 F-MAMMA1002356//Plasmodium falciparum 3D7 chromosome 12 PFYAC812 genomic sequence, WORKING  
 DRAFT SEQUENCE, 8 unordered pieces.//0.0022:534:59//AC004153  
 45 F-MAMMA1002359//Homo sapiens 12p13.3 PAC RPCI5-1180D12 (Roswell Park Cancer Institute Human PAC  
 Library) complete sequence.//5.3e-18:156:75//AC005831  
 F-MAMMA1002360//Human DNA sequence from cosmid L21F12B, Huntington's Disease Region, chromosome  
 4p16.3, contains EST.//4.9e-43:353:69//Z68885  
 F-MAMMA1002361//Human DNA sequence from clone 342B11 on chromosome 22q12.1-12.3. Contains ESTs  
 50 and a GSS, complete sequence.//1.8e-22:282:74//AL008719  
 F-MAMMA1002362//Platemys spixii CR1-like LINE, partial sequence.//0.00058:83:79//D82938  
 F-MAMMA1002380//CIT-HSP-2383K24.TF CIT-HSP Homo sapiens genomic clone 2383K24, genomic survey se-  
 quence.//4.4e-10:85:92//AQ196889  
 F-MAMMA1002384//RPCI11-80J20.TV RPCI11 Homo sapiens genomic clone R-80J20, genomic survey se-  
 55 quence.//2.7e-56:286:98//AQ284134  
 F-MAMMA1002385//CIT-HSP-2328G13.TF CIT-HSP Homo sapiens genomic clone 2328G13, genomic survey se-  
 quence.//5.5e-46:335:84//AQ043985  
 F-MAMMA1002392//Homo sapiens PAC clone DJ0797C05 from 7q31, complete sequence.//8.5e-29:273:78//

AC004888  
 F-MAMMA1002411//Human DNA sequence from clone 1044017 on chromosome Xp11.3-11.4 Contains GSS and STS, complete sequence.//8.2e-09:287:63//AL023 875  
 F-MAMMA1002413//Plasmodium falciparum (strain Dd2) variant-specific surface protein (var1) gene, complete cds.//9.6e-08:730:57//L40608  
 5 F-MAMMA1002417//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 30G7, WORKING DRAFT SEQUENCE.//4.1e-06:181:72//AL034402  
 F-MAMMA1002427//\*\*\* SEQUENCING IN PROGRESS \*\*\* Homo sapiens chromosome 4, BAC clone C0366H07; HTGS phase 1, WORKING DRAFT SEQUENCE, 28 unordered pieces.//1.3e-51:593:72//AC004604  
 10 F-MAMMA1002428  
 F-MAMMA1002434//Homo sapiens DNA sequence from PAC 958B3 on chromosome Xp22.11-Xp22.22. Contains ESTs STS and CpG island.//7.3e-56:388:81//Z93023  
 F-MAMMA1002446//CIT-HSP-2324O22.TR CIT-HSP Homo sapiens genomic clone 2324O22, genomic survey sequence.//2.3e-56:302:95//AQ027479  
 15 F-MAMMA1002454//Homo sapiens PAC clone DJ1136G13 from 7q35-q36, complete sequence.//1.1e-54:190:94//AC005229  
 F-MAMMA1002461//Rattus norvegicus calcium channel alpha-1 subunit gene, partial cds.//0.00045:457:60//U14005  
 F-MAMMA1002470//Saccharomyces cerevisiae chromosome VIII cosmid 9205.//9.7e-33:709:60//U10556  
 20 F-MAMMA1002475//Homo sapiens 12p13.3 PAC RPCI3-340I3 (Roswell Park Cancer Institute Human PAC Library) complete sequence.//0.092:506:58//AC004671  
 F-MAMMA1002480//Homo sapiens clone RG228D17, WORKING DRAFT SEQUENCE, 2-unordered pieces.//0.025:100:76//AC005077  
 F-MAMMA1002485//Homo sapiens stanniocalcin-2 (STC-2) mRNA, complete cds.//2.9e-118:560:98//AF055460  
 25 F-MAMMA1002494//Homo sapiens Xp22-175-176 BAC GSHB-484O17 (Genome Systems Human BAC Library) complete sequence.//1.5e-22:297:73//AC005913  
 F-MAMMA1002498//Human PAC clone DJ327A19 from Xq25-q26, complete sequence.//7.2e-10:330:64//AC002477  
 F-MAMMA1002524//Homo sapiens huntingtin gene, partial exon.//0.0080:124:72//L49359  
 30 F-MAMMA1002530//Homo sapiens cytosolic phospholipase A2 gamma (cPLA2 gamma) mRNA, complete cds.//1.4e-160:775:97//AF065214  
 F-MAMMA1002545//Homo sapiens chromosome 17, clone hRPK.74\_E\_22 complete sequence.//1.9e-41:345:80//AC005696  
 F-MAMMA1002554  
 35 F-MAMMA1002556  
 F-MAMMA1002566  
 F-MAMMA1002571//CIT-HSP-2296N17.TR CIT-HSP Homo sapiens genomic clone 2296N17, genomic survey sequence.//1.7e-07:76:90//AQ006579  
 F-MAMMA1002573//Homo sapiens DNA, trinucleotide repeats region, clone GAA C27.//2.7e-08:195:70//AB018507  
 40 F-MAMMA1002585  
 F-MAMMA1002590//Homo sapiens BAC clone GS250A16 from 7p21-p22, complete sequence.//2.1e-26:361:69//AC005019  
 F-MAMMA1002597//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1103G7, WORKING DRAFT SEQUENCE.//1.3e-34:550:69//AL034548  
 45 F-MAMMA1002598//H.sapiens mRNA for ribosomal protein L7.//1.1e-21:123:100//X57958  
 F-MAMMA1002603//Homo sapiens chromosome 20, BAC clone 99 (LBNL H80), complete sequence.//0.0018:358:61//AC005220  
 F-MAMMA1002612//Homo sapiens PAC clone DJ0696N01 from 7p21-p22, complete sequence.//2.1e-13:336:63//AC004861  
 50 F-MAMMA1002617//Homo sapiens clone DJ1070G24, WORKING DRAFT SEQUENCE, 12 unordered pieces.//0.14:229:64//AC005486  
 F-MAMMA1002618  
 F-MAMMA1002619//Homo sapiens chromosome 21 PAC RPCIP704E14135Q2.//9.5e-71:319:85//AJ010598  
 55 F-MAMMA1002622//Homo sapiens advillin mRNA, complete cds.//1.5e-20:157:90//AF041449  
 F-MAMMA1002623//Homo sapiens T-cell receptor alpha delta locus from bases 501613 to 752736 (section 3 of 5) of the Complete Nucleotide Sequence.//8.3e-06:137:72//AE000660  
 F-MAMMA1002625//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1056L3, WORKING

# EP 1 074 617 A2

DRAFT SEQUENCE.//1.9e-171:819:98//AL031727  
 F-MAMMA1002629//Human BAC clone RG385F02 from 7p15, complete sequence.//4.8e-85:478:78//AC003093  
 F-MAMMA1002636//Human POU domain factor (Brn-3a) gene, exon 2, complete cds.//5.6e-09:499:62//U10063  
 F-MAMMA1002637//Mus musculus kinesin light chain 2 (Klc2) mRNA, complete cds.//3.6e-115:785:82//AF055666  
 5 F-MAMMA1002646//Homo sapiens chromosome 2 clone 101B6 map 2p11, complete sequence.//1.5e-45:291:90//  
 AC002038  
 F-MAMMA1002650//Homo sapiens candidate tumor suppressor HIC-1 (HIC-1) gene, complete cds.//6.6e-06:661:  
 59//L41919  
 F-MAMMA1002655//HS\_2003\_A2\_A11\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 10 nomic clone Plate=2003 Col=22 Row=A, genomic survey sequence.//9.0e-15:198:74//AQ224233  
 F-MAMMA1002662  
 F-MAMMA1002665//Homo sapiens BAC clone GS588G18 from 7p12-p14, complete sequence.//1.4e-37:235:84//  
 AC005029  
 F-MAMMA1002671//Human Cdk-inhibitor p57KIP2 (KIP2) mRNA, complete cds.//0.00027:272:64//U22398  
 15 F-MAMMA1002673  
 F-MAMMA1002684//Homo sapiens mRNA for KIAA0214 protein, complete cds.//3.7e-161:752:99//D86987  
 F-MAMMA1002685//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 394I7, WORKING  
 DRAFT SEQUENCE.//6.2e-45:510:70//AL023585  
 F-MAMMA1002698//HS\_3024\_B1\_C06\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 20 nomic clone Plate=3024 Col=11 Row=F, genomic survey sequence.//1.7e-10:155:75//AQ072214  
 F-MAMMA1002699//Rattus norvegicus EH domain binding protein Epsin mRNA, complete cds.//5.9e-75:509:83//  
 AF018261  
 F-MAMMA1002701//Homo sapiens gene for AF-6, complete cds.//1.2e-159:749:99//AB011399  
 F-MAMMA1002708//Human DNA sequence from clone 267M20 on chromosome Xq22.2-22.3. Contains part of  
 25 the DIAPH2 gene and a pseudogene, ESTs, STSs and GSSs, complete sequence.//3.0e-57:347:79//AL031053  
 F-MAMMA1002711//Homo sapiens BAC clone GS589P19 from 7p13-p14, complete sequence.//3.4e-31:484:69//  
 AC005030  
 F-MAMMA1002721//CIT-HSP-2350M5.TR CIT-HSP Homo sapiens genomic clone 2350M5, genomic survey se-  
 quence.//1.4e-06:265:63//AQ061245  
 30 F-MAMMA1002727//Human DNA sequence from clone 67K17 on chromosome 6q24.1-24.3. Contains the HIVP2  
 (Schnurri-2) gene for HIV type 1 Enhancer-binding Protein 2, and a possible pseudogene in an intron of this gene.  
 Contains STSs and GSSs and an AAAT repeat polymorphism, complete sequence.//0.18:386:58//AL023584  
 F-MAMMA1002728//Human DNA sequence from PAC 296K21 on chromosome X contains cytokeratin exon, delta-  
 aminolevulinate synthase (erythroid); 5-aminolevulinic acid synthase.(EC 2.3.1.37). 6-phosphofructo-2-kinase/  
 35 fructose-2,6-bisphosphatase (EC 2.7.1.105, EC 3.1.3.46), ESTs and STS.//3.2e-05:362:63//Z83821  
 F-MAMMA1002744//Plasmodium falciparum chromosome 2, section 5 of 73 of the complete sequence.//0.00010:  
 535:58//AE001368  
 F-MAMMA1002746//Homo sapiens chromosome 17, clone hRPK.136\_H\_19, complete sequence.//1.2e-182:880:  
 97//AC005856  
 40 F-MAMMA1002748//Homo sapiens 3p22 Contig 7 PAC RPCI4-672N11 (Roswell Park Cancer Institute Human  
 PAC Library) complete sequence.//2.7e-175:829:98//AC006055  
 F-MAMMA1002754//Homo Sapiens Chromosome X clone bWDXD171, WORKING DRAFT SEQUENCE, 1 ordered  
 pieces.//3.1e-31:372:75//AC004676  
 F-MAMMA1002758//Homo sapiens KIAA0442 mRNA, partial cds.//3.3e-26:151:98//AB007902  
 45 F-MAMMA1002764//Human Chromosome 11 Cosmid cSRL166a1, complete sequence.//5.2e-49:355:81//U73636  
 F-MAMMA1002765//RPCI11-20A22.TPB RPCI-11 Homo sapiens genomic clone RPCI-11-20A22, genomic survey  
 sequence.//6.7e-13:155:76//B92153  
 F-MAMMA1002769//CIT-HSP-2323G1.TF CIT-HSP Homo sapiens genomic clone 2323G1, genomic survey se-  
 quence.//9.7e-21:151:90//AQ028244  
 50 F-MAMMA1002775//Human ABL gene, exon 1b and intron 1b, and putative M8604 Met protein (M8604 Met) gene,  
 complete cds.//5.6e-105:179:99//U07561  
 F-MAMMA1002780//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 3-08, com-  
 plete sequence.//0.071:277:58//Z98546  
 F-MAMMA1002782//HS\_3213\_B2\_B08\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 55 nomic clone Plate=3213 Col=16 Row=D, genomic survey sequence.//0.00018:219:63//AQ175845  
 F-MAMMA1002796  
 F-MAMMA1002807//Human Chromosome X PAC RPCI1-290C9 from the Pieter de Jong Human PAC library; com-  
 plete sequence.//6.9e-22:332:69//AC002404

F-MAMMA1002820//Homo sapiens Xp22 bins 87-93 PAC RPCI1-122K4 (Roswell Park Cancer Institute Human PAC Library) complete sequence.//5.9e-11:483:62//AC003035  
F-MAMMA1002830//Homo sapiens chromosome 17, clone hCIT529110, complete sequence.//1.0e-64:320:83//AC002553  
5 F-MAMMA1002833//Homo sapiens PAC clone DJ0745K06 from 7q31, complete sequence.//2.8e-47:413:80//AC004875  
F-MAMMA1002835  
F-MAMMA1002838//A-916H10.TP CIT978SK Homo sapiens genomic clone A-916H10, genomic survey sequence.//1.1e-39:164:83//B14462  
10 F-MAMMA1002842//Mus musculus c-Cbl associated protein CAP mRNA, complete cds.//1.9e-62:373:81//U58883  
F-MAMMA1002843//Homo sapiens mRNA for KIAA0810 protein, partial cds.//1.7e-135:635:99//AB018353  
F-MAMMA1002844//F1707-T7 IGF Arabidopsis thaliana genomic clone F1707, genomic survey sequence.//6.7e-17:383:66//B11616  
F-MAMMA1002858  
15 F-MAMMA1002868//RPCI11-54F9.TJ RPCI11 Homo sapiens genomic clone R-54F9, genomic survey sequence.//8.3e-81:392:99//AQ081566  
F-MAMMA1002869//Sequence 1 from patent US 5552529.//2.2e-86:696:78//I25863  
F-MAMMA1002871//Lupinus angustifolius nodulin-45 gene, complete cds.//0.029:370:59//L12388  
F-MAMMA1002880//RPCI11-23M23.TV RPCI-11 Homo sapiens genomic clone RPCI-11-23M23, genomic survey  
20 sequence.//1.8e-20:271:74//B86518  
F-MAMMA1002881//Homo sapiens mRNA for 25 kDa trypsin inhibitor, complete cds.//1.2e-28:680:61//D45027  
F-MAMMA1002886//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 380A1, WORKING DRAFT SEQUENCE.//0.00040:505:57//Z97653  
F-MAMMA1002887//HS\_3238\_B2\_G08\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3238 Col=16 Row=N, genomic survey sequence.//5.5e-79:401:97//AQ219814  
25 F-MAMMA1002890//Mus musculus MHC class III region RD gene, partial cds; Bf, C2, G9A, NG22, G9, HSP70, HSP70, HSC70t, and smRNP genes, complete cds; G7A gene, partial cds; and unknown genes.//4.6e-35:136:73//AF109906  
F-MAMMA1002892//Mouse Cosmid ma66a100 from 14D1-D2, complete sequence.//5.7e-14:450:60//AC004096  
30 F-MAMMA1002895//H.sapiens CpG island DNA genomic MseI fragment, clone 46b6, forward read cpg46b6.ft1a.//3.7e-36:190:100//Z58616  
F-MAMMA1002908//Penaeus monodon microsatellite locus Pmo27.//1.1e-05:195:62//AF068828  
F-MAMMA1002909//Human Chromosome 11 pac pDJ205d23, complete sequence.//1.0e-13:457:61//AC002402  
F-MAMMA1002930//Homo sapiens Xp22 BAC GSHB-512P14 (Genome Systems Human BAC library) complete  
35 sequence.//0.25:260:62//AC004467  
F-MAMMA1002937//H.sapiens ZNF74-1 mRNA.//6.3e-13:577:59//X71623  
F-MAMMA1002938//Homo sapiens mRNA for KIAA0698 protein, complete cds.//5.1e-193:910:98//AB014598  
F-MAMMA1002941//Homo sapiens Chromosome 22q11.2 BAC Clone b437g10 In BCRL2-GGT Region, complete  
sequence.//2.7e-23:174:77//AC004032  
40 F-MAMMA1002947//Rhodobacter capsulatus strain SB1003, partial genome.//1.3e-09:475:61//AF010496  
F-MAMMA1002964//Human thiopurine methyltransferase (TPMT) gene, exon 5.//0.0029:314:60//AF019366  
F-MAMMA1002970//Human DNA sequence from PAC 436M11 on chromosome Xp22.11-22.2. Contains the serine  
threonine protein phosphatase gene PPEF1, and the first coding exon of the RS1 gene for retinoschisis (X-linked,  
juvenile) 1 (XLR51). Contains ESTs, an STS and GSSs, complete sequence.//4.0e-10:194:71//Z94056  
45 F-MAMMA1002972//H.sapiens CpG island DNA genomic MseI fragment, clone 2g10, forward read cpg2g10.ft1aa.//0.38:156:66//Z55272  
F-MAMMA1002973//Homo sapiens chromosome 17, clone hRPK.142\_H\_19, complete sequence.//2.9e-41:234:79//AC005919  
F-MAMMA1002982//Homo sapiens DNA sequence from PAC 510L9 on chromosome 6p24.1-p25.3.//1.7e-05:322:63//AL022098  
50 F-MAMMA1002987//CITBI-E1-2514J12.TR CITBI-E1 Homo sapiens genomic clone 2514J12, genomic survey sequence.//0.0064:135:66//AQ275871  
F-MAMMA1003003//cSRL-145D12-u cSRL flow sorted Chromosome 11 specific cosmid Homo sapiens genomic clone cSRL-145D12, genomic survey sequence.//2.8e-31:201:89//B01998  
55 F-MAMMA1003004//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y237C10, WORKING DRAFT SEQUENCE.//1.6e-10:180:73//AL031601  
F-MAMMA1003007//Homo sapiens (clone cosmid c11q-8D1) tetranucleotide repeat polymorphism at the D11S488 locus.//3.5e-12:435:61//L04732

- F-MAMMA1003011//Rattus norvegicus histone macroH2A1.2 mRNA, complete cds.//2.3e-50:734:67//U79139  
 F-MAMMA1003013//Mus musculus chromosome 19, clone CIT282B21, complete sequence.//1.2e-86:341:79//AC003694  
 5 F-MAMMA1003015//Homo sapiens Chromosome 16 BAC clone CIT987SK-591M7, complete sequence.//2.6e-13:443:61//AC003661  
 F-MAMMA1003019//HS\_3221\_A1\_A01\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3221 Col=1 Row=A, genomic survey sequence.//2.8e-51:299:92//AQ184271  
 F-MAMMA1003026  
 10 F-MAMMA1003031//Homo sapiens chromosome 5, BAC clone 319C17 (LBNL H159), complete sequence.//0.0037:134:73//AC005214  
 F-MAMMA1003035//RPCI11-11P4.TP RPCI-11 Homo sapiens genomic clone RPCI-11-11P4, genomic survey sequence.//1.1e-07:66:100//B74936  
 F-MAMMA1003039//Homo sapiens 12p13.3 PAC RPCI3-340I3 (Roswell Park Cancer Institute Human PAC Library) complete sequence.//2.1e-19:220:76//AC004671  
 15 F-MAMMA1003040//Human DNA sequence from PAC 340N1 on chromosome 1p35-36.2. Contains ESTs, polymorphic CA repeat, trna and endogenous retrovirus.//9.5e-91:469:78//Z98257  
 F-MAMMA1003044//Human DNA sequence from clone 496N17 on chromosome 6p11.2-12.3 Contains EST, GSS, complete sequence.//0.21:289:61//AL031321  
 F-MAMMA1003047//Homo sapiens protein inhibitor of activated STAT protein PIASy mRNA, complete cds.//1.7e-139:663:98//AF077952  
 20 F-MAMMA1003049  
 F-MAMMA1003055//HS\_3014\_B2\_F10\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3014 Col=20 Row=L, genomic survey sequence.//4.2e-05:215:64//AQ164940  
 F-MAMMA1003056//HS\_3221\_B2\_D12\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3221 Col=24 Row=H, genomic survey sequence.//1.4e-16:206:74//AQ302772  
 25 F-MAMMA1003057//M.domesticus MD6 mRNA.//8.5e-128:654:94//X54352  
 F-MAMMA1003066//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 273F20, WORKING DRAFT SEQUENCE.//1.0:142:71//AL034371  
 F-MAMMA1003089//Homo sapiens Chromosome 11p14.3 PAC clone pDJ1034g4, complete sequence.//1.7e-42:373:78//AC004796  
 30 F-MAMMA1003099//Homo sapiens beta-filamin mRNA, complete cds.//2.6e-42:288:88//AF042166  
 F-MAMMA1003104//Mus musculus rostral cerebellar malformation protein (rcm) mRNA, complete cds.//1.6e-12:477:64//U72634  
 F-MAMMA1003113//Mus musculus COP9 complex subunit 7a (COPS7a) mRNA, complete cds.//3.4e-121:789:85//AF071316  
 35 F-MAMMA1003127//R.norvegicus MYR1 mRNA for myosin I heavy chain.//9.4e-58:423:83//X68199  
 F-MAMMA1003135//Mus musculus dentin sialophosphoprotein precursor (DSPP) mRNA, complete cds.//0.62:676:58//U67916  
 F-MAMMA1003140  
 40 F-MAMMA1003146//Homo sapiens mRNA for GalT3 protein.//2.2e-80:397:97//Y15062  
 F-MAMMA1003150//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 598F2, WORKING DRAFT SEQUENCE.//7.3e-123:266:88//AL021579  
 F-MAMMA1003166//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 250D10, WORKING DRAFT SEQUENCE.//1.6e-33:143:82//Z99716  
 45 F-NT2RM1000001//Human DNA sequence from clone 393P23 on chromosome Xq21.1-21.33. Contains GSSs, complete sequence.//0.50:216:61//Z95400  
 F-NT2RM1000018//Human mRNA for KIAA0066 gene, partial cds.//4.8e-65:385:92//D31886  
 F-NT2RM1000032  
 F-NT2RM1000035//Cricetulus griseus SREBP cleavage activating protein (SCAP) mRNA, complete cds.//6.3e-135:565:84//U67060  
 50 F-NT2RM1000037//Homo sapiens mRNA for KIAA0690 protein, partial cds.//1.1 e-106:542:95//AB014590  
 F-NT2RM1000039//Mouse genetic suppressor element mRNA.//0.080:239:60//L27155  
 F-NT2RM1000055//Rattus norvegicus mRNA for TIP120, complete cds.//8.4e-96:535:91//D87671  
 F-NT2RM1000059//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 390E6, WORKING DRAFT SEQUENCE.//1.0:257:59//AL031600  
 55 F-NT2RM1000062//Nephila clavipes dragline silk protein spidroin 1 gene, partial cds.//0.54:306:63//U37520  
 F-NT2RM1000080//Sequence 2 from patent US 5763589.//1.5e-115:566:97//AR012692  
 F-NT2RM1000086//Homo sapiens mRNA for KIAA0661 protein, complete cds.//1.8e-114:550:97//AB014561

F-NT2RM1000092//Homo sapiens chromosome 19, cosmid R26894, complete sequence.//0.63:180:65//AC005594  
 F-NT2RM1000118//Homo sapiens clone 23763 unknown mRNA, partial cds.//0.027:126:70//AF007155  
 F-NT2RM1000119//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 466N1, WORKING  
 5 DRAFT SEQUENCE.//0.022:644:58//Z97630  
 F-NT2RM1000127//RPCI11-44E5.TJ RPCI11 Homo sapiens genomic clone R-44E5, genomic survey sequence.//1.6e-45:254:94//AQ195884  
 F-NT2RM1000131//Homo sapiens mRNA for KIAA0792 protein, complete cds.//5.5e-153:778:95//AB018335  
 F-NT2RM1000132//Homo sapiens NADH:ubiquinone oxidoreductase NDUF56 subunit mRNA, nuclear gene en-  
 10 coding mitochondrial protein, complete cds.//1.1e-90:448:97//AF044959  
 F-NT2RM1000153//Human NotI linking clone 924A081D, genomic survey sequence.//5.9e-07:66:96//U49890  
 F-NT2RM1000186//Homo sapiens clone 23763 unknown mRNA, partial cds.//0.025:126:70//AF007155  
 F-NT2RM1000187//CITBI-E1-2510J4.TR CITBI-E1 Homo sapiens genomic clone 2510J4, genomic survey se-  
 quence.//1.1e-05:56:98//AQ261184  
 15 F-NT2RM1000199//Mouse mRNA for seizure-related gene product 6 type 2 precursor, complete cds.//1.6e-38:711:65//D64009  
 F-NT2RM1000242  
 F-NT2RM1000244//HS\_2229\_A1\_C04\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=2229 Col=7 Row=E, genomic survey sequence.//2.0e-13:95:95//AQ298474  
 20 F-NT2RM1000252//Homo sapiens chromosome 17, clone hRPK.206\_C\_20, complete sequence.//0.023:225:61//AC006070  
 F-NT2RM1000256//Caenorhabditis elegans cosmid F22B3, complete sequence.//8.5e-24:473:64//Z68336  
 F-NT2RM1000257//Homo sapiens MAGOH mRNA, complete cds.//6.4e-69:455:85//AF035940  
 F-NT2RM1000260//Human mRNA for KIAA0130 gene, complete cds.//6.5e-57:460:80//D50920  
 25 F-NT2RM1000271  
 F-NT2RM1000272  
 F-NT2RM1000280//Bos gaurus vacuolar H-ATPase subunit D (VATD) mRNA, complete cds.//6.7e-97:430:92//U11927  
 F-NT2RM1000300//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 92N15, WORKING  
 30 DRAFT SEQUENCE.//2.1e-96:170:100//Z93097  
 F-NT2RM1000314//Human mRNA for KIAA0159 gene, complete cds.//8.1e-127:708:92//D63880  
 F-NT2RM1000318//Homo sapiens mRNA for ribosomal protein L39, complete cds.//5.7e-34:182:99//D79205  
 F-NT2RM1000341//Homo sapiens full-length insert cDNA clone YP11F06.//1.3e-100:504:97//AF085879  
 F-NT2RM1000354//HS\_2001\_B1\_E06\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 35 nomic clone Plate=2001 Col=11 Row=J, genomic survey sequence.//1.6e-11:201:73//AQ218494  
 F-NT2RM1000355//Mus musculus E25B protein mRNA, complete cds.//1.8e-77:578:82//U76253  
 F-NT2RM1000365//Homo sapiens clone DJ0098022, WORKING DRAFT SEQUENCE, 5 unordered pieces.//9.4e-113:367:97//AC004821  
 F-NT2RM1000377//H.sapiens mRNA for MAP kinase phosphatase 4.//6.1e-14:362:62//Y08302  
 40 F-NT2RM1000388//Azospirillum brasilense lateral flagellin (laf1) gene, complete cds.//1.0:482:58//U26679  
 F-NT2RM1000394//M.musculus mRNA for histone H3.3A.//1.7e-94:549:89//Z85979  
 F-NT2RM1000399  
 F-NT2RM1000421//HS\_2213\_B1\_E01\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=2213 Col=1 Row=J, genomic survey sequence.//3.6e-08:195:72//AQ032737  
 45 F-NT2RM1000430//Homo sapiens erythroblast macrophage protein EMP mRNA, complete cds.//3.7e-84:418:97//AF084928  
 F-NT2RM1000499//Human mRNA for KIAA0167 gene, complete cds.//1.3e-35:525:69//D79989  
 F-NT2RM1000539//Homo sapiens PAC clone DJ1194E14 from 7p21, complete sequence.//4.6e-73:533:83//AC004993  
 50 F-NT2RM1000553  
 F-NT2RM1000555//Homo sapiens clone 24514 unknown mRNA.//2.3e-110:555:97//AF070542  
 F-NT2RM1000563//Homo sapiens clone DJ0742P04, WORKING DRAFT SEQUENCE, 6 unordered pieces.//1.3e-123:477:100//AC004873  
 F-NT2RM1000623//HS\_2213\_B1\_E01\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 55 nomic clone Plate=2213 Col=1 Row=J, genomic survey sequence.//8.2e-06:75:89//AQ032737  
 F-NT2RM1000648//Halobium cutirubrum L11, L1, L10 and L12 equivalent ribosomal protein gene cluster.//1.3e-06:414:61//X15078  
 F-NT2RM1000661//Homo sapiens cap-binding protein 4EHP mRNA, complete cds.//9.3e-54:275:97//AF047695

- F-NT2RM1000666//HS\_2016\_B2\_H08\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2016 Col=16 Row=P, genomic survey sequence.//5.7e-13:199:73//AQ227865
- F-NT2RM1000669//Human DNA sequence from clone 281H8 on chromosome 6q25.1-25.3. Contains up to four novel genes, one with similarity to KIAA0323 and worm C30F12.1 and another with Ubiquitin-Like protein gene SMT3 (the latter in an intron of a novel gene). Contains ESTs, STSs, GSSs, a putative CpG island and genomic marker D6S1553, complete sequence.//2.7e-94:499:94//AL031133
- 5 F-NT2RM1000672
- F-NT2RM1000691//Homo sapiens HRIHFB2060 mRNA, partial cds.//2.2e-119:582:98//AB015348
- F-NT2RM1000699//Caenorhabditis elegans cosmid Y41C4A, complete sequence.//0.95:284:61//AL032627
- 10 F-NT2RM1000702//HS\_3005\_A1\_A02\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3005 Col=3 Row=A, genomic survey sequence.//0.073:290:58//AQ089514
- F-NT2RM1000725//Homo sapiens mRNA for neuropathy target esterase.//4.8e-65:435:85//AJ004832
- F-NT2RM1000741//Homo sapiens mRNA for KIAA0567 protein, partial cds.//8.0e-126:690:92//AB011139
- F-NT2RM1000742//Homo sapiens AC133 antigen mRNA, complete cds.//2.5e-66:524:83//AF027208
- 15 F-NT2RM1000746//Homo sapiens chromosome 21q22.3, PAC clones 314N7, 225L15, BAC clone 7B7, complete sequence bases 1.333303//0.92:395:58//AJ011930
- F-NT2RM1000770//Homo sapiens inosine monophosphate dehydrogenase type II gene, complete cds.//2.1e-70:407:92//L39210
- F-NT2RM1000772//Human Chromosome 3 pac pDJ70i11, WORKING DRAFT SEQUENCE, 2 unordered pieces.//6.6e-36:98:93//AC000380
- 20 F-NT2RM1000780//Human DNA for 5' terminal region of LINE-1 transposable element clone CGL1-4.//9.3e-22:126:99//X52233
- F-NT2RM1000781//Plasmodium falciparum 3D7 chromosome 12 PFYAC812 genomic sequence, WORKING DRAFT SEQUENCE, 8 unordered pieces.//7.1e-09:540:59//AC004153
- 25 F-NT2RM1000800//Mus musculus mRNA for B-IND1 protein.//4.0e-81:497:88//Z97207
- F-NT2RM1000802
- F-NT2RM1000811//Homo sapiens AC133 antigen mRNA, complete cds.//3.7e-63:490:84//AF027208
- F-NT2RM1000826//Homo sapiens clone 24514 unknown mRNA.//7.2e-153:749:96//AF070542
- F-NT2RM1000829//HS\_3047\_A1\_A05\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3047 Col=9 Row=A, genomic survey sequence.//0.74:215:67//AQ099134
- 30 F-NT2RM1000833//Canis familiaris sec61 homologue mRNA, complete cds.//5.1e-114:683:88//M96629
- F-NT2RM1000850//F.rubripes GSS sequence, clone 163A22aF11, genomic survey sequence.//1.1e-26:279:74//AL018762
- F-NT2RM1000852//Homo sapiens mRNA for ATP-dependent RNA helicase, partial.//9.3e-148:726:97//AJ010840
- 35 F-NT2RM1000857//Rattus norvegicus gene for cytochrome P450/6 beta B, exon 2.//0.97:124:65//AB008378
- F-NT2RM1000867//H.sapiens DNA sequence surrounding NotI site, clone NRLA143D.//1.2e-31:172:98//K95834
- F-NT2RM1000874//Homo sapiens KE05 protein mRNA, complete cds.//2.8e-131:632:97//AF064605
- F-NT2RM1000882//Homo sapiens Chromosome 11q12.2 PAC clone pDJ519o13 containing human gene for ferritin heavy chain (FTH), complete sequence.//1.2e-98:214:99//AC004228
- 40 F-NT2RM1000883//Homo sapiens I-1 receptor candidate protein mRNA, complete cds.//2.7e-156:762:97//AF082516
- F-NT2RM1000885//Homo sapiens mRNA for KIAA0661 protein, complete cds.//2.0e-17:310:67//AB014561
- F-NT2RM1000894//Mus musculus second largest subunit of RNA polymerase I (RPA2) mRNA, complete cds.//3.2e-95:469:83//U58280
- 45 F-NT2RM1000898
- F-NT2RM1000905//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 466N1, WORKING DRAFT SEQUENCE.//1.8e-74:188:98//Z97630
- F-NT2RM1000924//Homo sapiens clone DJ0742P04, WORKING DRAFT SEQUENCE, 6 unordered pieces.//5.7e-148:601:98//AC004873
- 50 F-NT2RM1000927//Homo sapiens clone DJ0647C14, WORKING DRAFT SEQUENCE, 21 unordered pieces.//0.071:392:60//AC004846
- F-NT2RM1000962//H.sapiens CpG island DNA genomic MseI fragment, clone 140d1, forward read cpg140d1.ft1a.//4.1e-35:187:99//Z56803
- F-NT2RM1000978//Homo sapiens Chromosome 15q22.3-23 PAC 88m3, WORKING DRAFT SEQUENCE, 2 ordered pieces.//1.1e-23:266:77//AC005959
- 55 F-NT2RM1001003//Homo sapiens alpha-catenin-like protein mRNA, complete cds.//4.0e-160:760:98//U97067
- F-NT2RM1001008//Kaposi's sarcoma-associated herpes-like virus ORF73 homolog gene, complete cds.//1.7e-11:602:61//U52064



# EP 1 074 617 A2

F-NT2RM1001043//Human DNA sequence from PAC 27K14 on chromosome Xp11.3-Xp11.4. Contains monoamine oxidase B (MAOB), ESTs and polymorphic CA repeats.//3.9e-93:645:86//Z95125  
F-NT2RM1001044//S.pombe chromosome III cosmid c320.//0.90:128:66//AL022245  
5 F-NT2RM1001059//Homo sapiens chromosome 5, Bac clone 58g14 (LBNL H76), complete sequence.//3.8e-53:261:80//AC005915  
F-NT2RM1001066//CIT-HSP-2172N17.TF CIT-HSP Homo sapiens genomic clone 2172N17, genomic survey sequence.//0.64:285:59//B94391  
F-NT2RM1001072//HS\_3115\_B1\_D07\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3115 Col=13 Row=H, genomic survey sequence.//7.3e-23:140:95//AQ147905  
10 F-NT2RM1001074//Homo sapiens chromosome 19, cosmid F20489, complete sequence.//5.0e-50:186:98//AC005263  
F-NT2RM1001082//Sequence 1 from Patent WO9718303.//2.1e-144:736:95//A62731  
F-NT2RM1001085//CIT-HSP-2310F21.TR CIT-HSP Homo sapiens genomic clone 2310F21, genomic survey sequence.//8.8e-45:235:97//AQ020757  
15 F-NT2RM1001092//HS\_3055\_B1\_G05\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3055 Col=9 Row=N, genomic survey sequence.//1.1e-89:471:95//AQ155489  
F-NT2RM1001102//Human HEM45 mRNA, complete cds.//1.2e-28:482:63//U88964  
F-NT2RM1001105//Homo sapiens hRED1 gene, exon 1 (5'UTR).//0.0014:349:61//Z95973  
20 F-NT2RM1001112//Homo sapiens chromosome 19, cosmid R34094, complete sequence.//0.060:429:58//AC004678  
F-NT2RM1001115//Plasmodium falciparum merozoite surface protein 3 (MSP-3) gene, partial cds.//0.93:156:62//AF024624  
F-NT2RM1001139//Homo sapiens chromosome 19, fosmid 37502, complete sequence.//1.2e-10:466:59//AC004755  
25 F-NT2RM2000006//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 796F18, WORKING DRAFT SEQUENCE.//5.3e-150:724:98//AL031291  
F-NT2RM2000013//D.melanogaster DmRP128 gene for RNA polymerase III second-largest subunit.//1.5e-58:749:69//X58826  
30 F-NT2RM2000030//Homo sapiens clone DJ0708P22, WORKING DRAFT SEQUENCE, 11 unordered pieces.//2.1e-97:270:77//AC004863  
F-NT2RM2000032//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 423B22, WORKING DRAFT SEQUENCE.//1.9e-25:172:76//AL034379  
F-NT2RM2000042//Human DNA sequence from cosmid U55E4, between markers DXS6791 and DXS8038 on chromosome X contains ESTs.//5.0e-05:325:65//Z73418  
35 F-NT2RM2000092//Homo sapiens (D8S321 locus) DNA sequence, tetranucleotide repeat polymorphism.//0.63:117:68//L12269  
F-NT2RM2000093//Mus musculus major histocompatibility locus class III regions Hsc70t gene, partial cds; sm-RNP, G7A, NG23, MutS homolog, CLCP, NG24, NG25, and NG26 genes, complete cds; and unknown genes.//0.38:312:62//AF109905  
40 F-NT2RM2000101  
F-NT2RM2000124//Mouse cAMP-dependent protein kinase catalytic subunit mRNA, complete cds.//3.8e-58:297:97//M12303  
F-NT2RM2000191//Homo sapiens cGMP phosphodiesterase A2 (PDE9A) mRNA, complete cds.//3.8e-138:653:98//AF067224  
45 F-NT2RM2000192//CIT-HSP-2172B3.TF CIT-HSP Homo sapiens genomic clone 2172B3, genomic survey sequence.//2.2e-33:191:95//B93289  
F-NT2RM2000239//F rubripes GSS sequence, clone 156P04aG12, genomic survey sequence.//8.9e-44:445:69//AL018549  
50 F-nnnnnnnnnnn//Homo sapiens fibroblast growth factor 18 (FGF18) mRNA, complete cds.//0.00020:380:61//AF075292  
F-NT2RM2000250//Homo sapiens mRNA for KIAA0590 protein, complete cds.//3.1e-128:615:98//AB011162  
F-NT2RM2000259//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 310O13, WORKING DRAFT SEQUENCE.//0.0013:305:63//AL031658  
55 F-NT2RM2000260//Mus musculus WW domain binding protein 15 mRNA, partial sequence.//3.0e-14:645:61//AF073934  
F-NT2RM2000287//\*\*\* SEQUENCING IN PROGRESS \*\*\* EPM1/APECED region of chromosome 21, clones A68E8, B127P21, B173L3, B23N8, C1242C9, C579E2, A70B6, B159G9, B175D10, B52C10, C124G1 Note: Sequencing in this region has been discontinued by the Stanford Human Genome Center, WORKING DRAFT SE-

- QUENCE, 50 unordered pieces.//1.3e-11:96:86//AC003656  
 F-NT2RM2000322//Human DNA sequence from clone 612B18 on chromosome 1q24-25.3 Contains exon from gene similar to 40S ribosomal protein, first coding exon of dynamin 2 (DYNII). ESTs, STS, GSS, CpG Island, complete sequence.//8.5e-115:233:97//AL031864
- 5 F-NT2RM2000359//Homo sapiens mRNA for KIAA0560 protein, complete cds.//8.8e-175:805:99//AB011132  
 F-NT2RM2000363//RPCI11-90B10.TJ RPCI11 Homo sapiens genomic clone R-90B10, genomic survey sequence.//6.7e-15:96:98//AQ285300  
 F-NT2RM2000368//Homo sapiens protein kinase C-binding protein RACK7 mRNA, partial cds.//1.2e-94:599:86//U48251
- 10 F-NT2RM2000371//RPCI11-57I4.TJ RPCI11 Homo sapiens genomic clone R-57I4, genomic survey sequence.//1.1e-52:312:91//AQ083343  
 F-NT2RM2000374//M. musculus nodal gene, a TGF-beta-like gene.//6.7e-31:196:91//X70514  
 F-NT2RM2000395//Leishmania major chromosome 1, complete sequence.//0.99:345:58//AE001274  
 F-NT2RM2000402//Arabidopsis thaliana BAC T19D16 genomic sequence.//2.1e-23:414:63//U95973
- 15 F-NT2RM2000407//Mus musculus semaphorin VIa mRNA, complete cds.//1.4e-131:439:88//AF030430  
 F-NT2RM2000420//HS\_3063\_B2\_F11\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3063 Col=22 Row=L, genomic survey sequence.//3.2e-25:154:95//AQ103204  
 F-NT2RM2000422//Rat orphan transporter v7-3 (NTT73) mRNA, complete cds.//1.7e-128:782:86//L22022  
 F-NT2RM2000452//HS\_3009\_B2\_D05\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3009 Col=10 Row=H, genomic survey sequence.//1.2e-16:122:90//AQ130794
- 20 F-NT2RM2000469//HS\_2019\_A1\_G02\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2019 Col=3 Row=M, genomic survey sequence.//9.6e-22:176:85//AQ229041  
 F-NT2RM2000490//Homo sapiens mRNA for KIAA0747 protein, partial cds.//7.5e-15:386:63//AB018290  
 F-NT2RM2000502
- 25 F-NT2RM2000504//Homo sapiens metalloprotease 1 (MP1) mRNA, complete cds.//5.1e-171:824:97//AF061243  
 F-NT2RM2000522  
 F-NT2RM2000540  
 F-NT2RM2000556//Homo sapiens 12q13.1 PAC RPCI5-1057I20 (Roswell Park Cancer Institute Human PAC library) complete sequence.//2.9e-42:344:82//AC004466
- 30 F-NT2RM2000566//Homo sapiens integrin alpha-7 mRNA, complete cds.//2.8e-154:751:97//AF072132  
 F-NT2RM2000567//Pseudomonas aeruginosa enoyl-CoA hydratase gene, partial cds; pilin biosynthetic protein (fimL) gene; complete cds; and unknown gene.//3.0e-06:664:58//AF083252  
 F-NT2RM2000569//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 862K6, WORKING DRAFT SEQUENCE.//1.3e-15:348:67//AL031681
- 35 F-NT2RM2000577//RPCI11-43G22.TJ RPCI11 Homo sapiens genomic clone R-43G22, genomic survey sequence.//1.6e-14:155:80//AQ199391  
 F-NT2RM2000581//Homo sapiens mRNA for KIAA0214 protein, complete cds.//5.4e-174:820:98//D86987  
 F-NT2RM2000588//Homo sapiens 12q13.1 PAC RPCI5-1057I20 (Roswell Park Cancer Institute Human PAC library) complete sequence.//1.1e-60:344:82//AC004466
- 40 F-NT2RM2000594//Mus musculus DNA cytosine-5 methyltransferase 3B1 (Dnmt3b) mRNA, alternatively spliced, complete cds.//4.9e-118:761:85//AF068626  
 F-NT2RM2000599//O.sativa osr40g3 gene.//0.30:585:56//Y08988  
 F-NT2RM2000609
- 45 F-NT2RM2000612//Rattus norvegicus ADP-ribosylation factor-directed GTPase activating protein mRNA, complete cds.//7.8e-102:709:83//U35776  
 F-NT2RM2000623//Homo sapiens chromosome 19, cosmid F19847, complete sequence.//3.4e-17:450:65//AC005952  
 F-NT2RM2000624  
 2.9e-06:231:64//Z82061
- 50 F-NT2RM2000635//Homo sapiens mRNA for KIAA0729 protein, partial cds.//6.3e-142:664:98//AB018272  
 F-NT2RM2000636//Homo sapiens mRNA for KIAA0658 protein, partial cds.//7.4e-138:664:98//AB014558  
 F-NT2RM2000639//RPCI11-69E5.TJ RPCI11 Homo sapiens genomic clone R-69E5, genomic survey sequence.//3.7e-14:97:97//AQ267491
- 55 F-NT2RM2000649//Homo sapiens mRNA for KIAA0676 protein, partial cds.//1.1e-167:518:99//AB014576  
 F-NT2RM2000669  
 F-NT2RM2000691//Homo sapiens chromosome 2 clone 101B6 map 2p11, complete sequence.//1.1e-106:748:82//AC002038  
 F-NT2RM2000714//Human mRNA for KIAA0231 gene, partial cds.//6.8e-49:748:64//D86984

F-NT2RM2000718//Homo sapiens HRIHFB2436 mRNA, partial cds.//2.4e-124:594:98//AB015342  
 F-NT2RM2000735//Human ZNF43 mRNA.//8.4e-111:756:82//X59244  
 F-NT2RM2000740//Mus musculus lymphocyte specific helicase mRNA, complete cds.//1.3e-141:815:89//U25691  
 F-NT2RM2000795//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 439F8, WORKING  
 5 DRAFT SEQUENCE.//1.0e-78:723:76//AL021392  
 F-NT2RM2000821//Rat mRNA for beta COP.//2.0e-150:879:88//X57228  
 F-NT2RM2000837//Homo sapiens BAC clone GS214N13 from 7p14-p15, complete sequence.//1.1e-05:361:62//  
 AC005017  
 F-NT2RM2000951//Homo sapiens XYLB mRNA for xylulokinase, complete cds.//8.7e-184:847:99//AB015046  
 10 F-NT2RM2000952  
 F-NT2RM2000984//Mus musculus major histocompatibility locus class III regions Hsc70t gene, partial cds; sm-  
 RNP, G7A, NG23, MutS homolog, CLCP, NG24, NG25, and NG26 genes, complete cds; and unknown genes.//  
 7.6e-41:239:76//AF109905  
 F-NT2RM2001004//CIT-HSP-2333N18.TR CIT-HSP Homo sapiens genomic clone 2333N18, genomic survey se-  
 15 quence.//1.1e-11:298:66//AQ035862  
 F-NT2RM2001035//Mus musculus mCAF1 protein mRNA, complete cds.//1.4e-120:627:91//U21855  
 F-NT2RM2001065//Mus musculus COP9 complex subunit 4 (COPS4) mRNA, complete cds.//6.8e-118:690:88//  
 AF071314  
 F-NT2RM2001100//Homo sapiens clone DJ0742P04, WORKING DRAFT SEQUENCE, 6 unordered pieces.//2.3e-  
 20 145:614:99//AC004873  
 F-NT2RM2001105//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 50O24, WORKING  
 DRAFT SEQUENCE.//2.7e-95:461:99//AL034380  
 F-NT2RM2001131//Kaposi's sarcoma-associated herpes-like virus ORF73 homolog gene, complete cds.//7.2e-  
 24:726:62//U52064  
 25 F-NT2RM2001141  
 F-NT2RM2001152//Homo sapiens DNA sequence from PAC 93L7 on chromosome Xq21. Contains part of the  
 CHM (TCD, REP1) gene coding for RAB Escort protein 1 (REP-1, RAB proteins geranylgeranyltransferase com-  
 ponent A 1, Choroideraemia protein, Tapetochoroidal Dystrophy (TCD) protein). Contains ESTs and an STS, com-  
 plete sequence.//0.98:300:62//AL022401  
 30 F-NT2RM2001177//Homo sapiens clone NH0313P13, WORKING DRAFT SEQUENCE, 15 unordered pieces.//  
 1.2e-147:741:96//AC005488  
 F-NT2RM2001194//Suid herpesvirus 1 UL5 gene, partial cds, UL6 and UL7 genes, complete cds, UL8 gene, partial  
 cds.//0.026:408:59//U66829  
 F-NT2RM2001196//Homo sapiens clone DJ1173I20, WORKING DRAFT SEQUENCE, 5 unordered pieces.//2.2e-  
 35 135:627:98//AC004987  
 F-NT2RM2001201//Mus musculus clone OST431, genomic survey sequence.//6.1e-80:503:86//AF046700  
 F-NT2RM2001221//Chimpanzee (P.paniscus) involucrin, complete cds.//0.53:670:55//M26514  
 F-NT2RM2001238//Rat glutaminase mRNA, complete cds.//3.4e-128:719:90//M65150  
 F-NT2RM2001243  
 40 F-NT2RM2001247//CITBI-E1-2521M18.TR CITBI-E1 Homo sapiens genomic clone 2521M18, genomic survey  
 sequence.//0.0011:274:59//AQ276184  
 F-NT2RM2001256//M.musculus mRNA for 200 kD protein.//2.3e-129:742:90//X80169  
 F-NT2RM2001291//CIT-HSP-2010I15.TR CIT-HSP Homo sapiens genomic clone 2010I15, genomic survey se-  
 quence.//4.6e-09:156:72//B57734  
 45 F-NT2RM2001306//RPCI11-28I5.TP RPCI-11 Homo sapiens genomic clone RPCI-11-28I5, genomic survey se-  
 quence.//0.069:234:64//B84850  
 F-NT2RM2001312//Homo sapiens chromosome 17, clone hRPK.142\_H\_19, complete sequence.//1.1e-22:111:  
 81//AC005919  
 F-NT2RM2001319//Borrelia burgdorferi (section 4 of 70) of the complete genome.//0.99:340:58//AE001118  
 50 F-NT2RM2001324//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 209H1, WORKING  
 DRAFT SEQUENCE.//3.7e-44:340:85//Z84465  
 F-NT2RM2001345//HS\_3005\_A1\_A02\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3005 Col=3 Row=A, genomic survey sequence.//0.042:290:58//AQ089514  
 F-NT2RM2001360//Human HeLa mRNA isolated as a false positive in a two-hybrid-screen.//5.0e-60:365:87//  
 55 U56429  
 F-NT2RM2001370//Homo sapiens PAC clone DJ0815D20 from 7p11-p13, complete sequence.//0.98:415:58//  
 AC004899  
 F-NT2RM2001393//Homo sapiens Chromosome 22q11.2 PAC Clone p\_m11 In BCRL2-GGT Region, complete

# EP 1 074 617 A2

sequence.//4.0e-54:394:75//AC004033  
 F-NT2RM2001420//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 349A12, WORKING  
 DRAFT SEQUENCE.//2.8e-169:789:99//AL033520  
 F-NT2RM2001424//Homo sapiens mRNA for E1B-55kDa-associated protein.//7.1e-96:453:99//AJ007509  
 5 F-NT2RM2001499//Rattus norvegicus mRNA for cationic amino acid transporter 3, complete cds.//7.1e-91:601:  
 83//AB000113  
 F-NT2RM2001504//Homo sapiens chromosome 19, cosmid R30017, complete sequence.//0.81:200:69//  
 AC005624  
 F-NT2RM2001524//Arabidopsis thaliana DNA chromosome 4, ESSA I AP2 contig fragment No. 2.//3.8e-16:316:  
 10 65//Z99708  
 F-NT2RM2001544  
 F-NT2RM2001547//Caenorhabditis elegans cosmid Y47H9C, complete sequence.//3.3e-24:318:67//AL032657  
 F-NT2RM2001575//Human 52-kD ribonucleoprotein Ro/SSA mRNA, complete cds.//2.1e-26:582:64//M34551  
 F-NT2RM2001582//M. musculus red-1 gene.//1.4e-102:581:90//X92750  
 15 F-NT2RM2001588//Homo sapiens KIAA0442 mRNA, partial cds.//7.0e-10:282:65//AB007902  
 F-NT2RM2001592//Rattus norvegicus rexo70 mRNA, complete cds.//9.6e-131:736:90//AF032667  
 F-NT2RM2001605//RBP2=retinoblastoma binding protein 2 [human, Nalm-6 pre-B cell leukemia, mRNA, 6455  
 nt].//2.3e-85:749:75//S66431  
 F-NT2RM2001613//Rattus rattus sec61 homologue mRNA, complete cds.//8.6e-118:779:85//M96630  
 20 F-NT2RM2001632//Homo sapiens PAC clone DJ0740D02 from 7p14-p15, complete sequence.//1.5e-50:561:71//  
 AC004691  
 F-NT2RM2001635//Homo sapiens mRNA for KIAA0618 protein, complete cds.//9.2e-153:740:98//AB014518  
 F-NT2RM2001637//F. rubripes GSS sequence, clone 155D22bD8, genomic survey sequence.//2.5e-13:224:64//  
 Z91020  
 25 F-NT2RM2001641//CIT-HSP-2347F23.TF CIT-HSP Homo sapiens genomic clone 2347F23, genomic survey se-  
 quence.//1.3e-67:340:98//AQ060913  
 F-NT2RM2001648//Canis familiaris sec61 homologue mRNA, complete cds.//1.4e-110:459:89//M96629  
 F-NT2RM2001652//Bos taurus guanine nucleotide-exchange protein (ARF-GEP1) mRNA, complete cds.//1.2e-  
 153:807:93//AF023451  
 30 F-NT2RM2001659//nbxb0002cE07f CUGI Rice BAC Library Oryza sativa genomic clone nbxb0002J13f, genomic  
 survey sequence.//1.0:485:56//AQ051653  
 F-NT2RM2001664//Homo sapiens IkappaB kinase complex associated protein (IKAP) mRNA, complete cds.//  
 3.7e-172:802:99//AF044195  
 F-NT2RM2001668  
 35 F-NT2RM2001670//Homo sapiens complete genomic sequence between D16S3070 and D16S3275, containing  
 Familial Mediterranean Fever gene disease.//3.2e-18:279:70//AJ003147  
 F-NT2RM2001671//Oryctolagus cuniculus sarcolemmal associated protein-3 mRNA; complete cds.//1.6e-137:  
 683:94//U21157  
 F-NT2RM2001675//RPC111-51J16.TJ RPC111 Homo sapiens genomic clone R-51J16, genomic survey se-  
 40 quence.//1.0:394:58//AQ053677  
 F-NT2RM2001681//Arabidopsis thaliana DNA chromosome 4, BAC clone T8O5 (ESSAII project).//0.87:220:61//  
 AL021890  
 F-NT2RM2001688//B. paraptussis bvg locus (transcription regulators of virulence factors) with bvgA and bvgS  
 genes.//1.0:286:62//X52948  
 45 F-NT2RM2001695//CIT-HSP-345H13.TVB CIT-HSP Homo sapiens genomic clone 345H13, genomic survey se-  
 quence.//3.2e-53:241:82//B59854  
 F-NT2RM2001696//Mouse DNA with homology to EBV IR3 repeat, segment 2, clone Mu2.//1.2e-05:306:58//  
 M10668  
 F-NT2RM2001698//Homo sapiens DNA sequence from PAC 163M9 on chromosome 1p35.1-p36.21. Contains  
 50 protein synthesis factor (eIF-4C), D1F15S1A pseudogene, ESTs, STS, GSS, complete sequence.//6.0e-06:548:  
 59//AL021920  
 F-NT2RM2001699//HS\_3195\_8B2\_DO1\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3195 Col=2 Row=H, genomic survey sequence.//2.7e-07:322:61//AQ189056  
 F-NT2RM2001700//Mycobacterium tuberculosis H37Rv complete genome; segment 109/162.//7.8e-05:354:58//  
 55 Z95556  
 F-NT2RM2001706//Homo sapiens chromosome Xp22-67-68, WORKING DRAFT SEQUENCE, 99 unordered  
 pieces.//7.5e-42:335:81//AC004469  
 F-NT2RM2001716

- F-NT2RM2001718//Drosophila melanogaster DNA sequence (P1 DS04106 (D172)), complete sequence//4.2e-08:536:58//AC004290
- F-NT2RM2001723//Homo sapiens clone 23770 mRNA sequence//1.4e-26:163:95//AF052123
- F-NT2RM2001727//Homo sapiens mRNA for KIAA0462 protein, partial cds//6.2e-111:530:98//AB007931
- 5 F-NT2RM2001730//Homo sapiens chromosome 21 PAC RPCIP704E14135Q2//3.1e-102:248:95//AJ010598
- F-NT2RM2001743
- F-NT2RM2001753//Caenorhabditis elegans cosmid F45E6, complete sequence//0.11:138:66//Z68117
- F-NT2RM2001760//Canis familiaris sec61 homologue mRNA, complete cds//9.4e100:418:88//M96629
- 10 F-NT2RM2001768//HS\_3064\_B2\_A04\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3064 Col=8 Row=B, genomic survey sequence//3.1e-28:153:100//AQ136993
- F-NT2RM2001771//Homo sapiens chromosome 19, BAC CIT-B-393i15 (BC301323), complete sequence//1.3e-66:680:72//AC006116
- F-NT2RM2001782
- 15 F-NT2RM2001784//Bovine herpesvirus type 1 (Cooper) DNA (30 kb)//0.027:384:60//Z48053
- F-NT2RM2001785//Homo sapiens chromosome 11, BAC CIT-HSP-311e8 (BC269730) containing the hFEN1 gene, complete sequence//1.6e-18:229:65//AC004770
- F-NT2RM2001797//HS\_3045\_AT\_D01\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3045 Col=1 Row=G, genomic survey sequence//1.4e-74:381:97//AQ129456
- F-NT2RM2001800
- 20 F-NT2RM2001803//Homo sapiens IkappaB kinase complex associated protein (IKAP) mRNA, complete cds//8.3e-178:827:99//AF044195
- F-NT2RM2001805//Malus domestica leucine-rich receptor-like protein kinase (LRPKm1) gene, 5' flanking region and 5' UTR//1.0:290:58//AF053126
- 25 F-NT2RM2001813//CIT-HSP-2169F21.TR CIT-HSP Homo sapiens genomic clone 2169F21, genomic survey sequence//3.3e-16:109:95//B89870
- F-NT2RM2001823//Drosophila melanogaster DNA sequence (P1 DS07049 (D133)), complete sequence//5.8e-62:819:68//AC004274
- F-NT2RM2001839//Homo sapiens calumein (Calu) mRNA, complete cds//3.6e-131:738:90//AF013759
- 30 F-NT2RM2001840//Homo sapiens chromosome 17, clone 297N7, complete sequence//1.1e-57:422:79//AC002347
- F-NT2RM2001855//HS\_3224\_A1\_H07\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3224 Col=13 Row=O, genomic survey sequence//0.00012:68:91//AQ205285
- F-NT2RM2001867//Human DNA sequence from clone 889N15 on chromosome Xq22.1-22.3. Contains part of the gene for a novel protein similar to X. laevis Cortical Thymocyte Marker CTX, the possibly alternatively spliced gene for 26S Proteasome subunit p28 (Ankyrin repeat protein), a novel gene and exons 36 through 45 of the COL4A6 for Collagen Alpha 6(IV). Contains ESTs, STSs, GSSs and a putative CpG island, complete sequence//0.068:102:70//AL031177
- 35 F-NT2RM2001879//Human DNA sequence from cosmid cU72E5, between markers DXS366 and DXS87 on chromosome X//0.0029:500:59//Z68328
- 40 F-NT2RM2001886//Homo sapiens mRNA for KIAA0710 protein, complete cds//1.9e-187:866:97//AB014610
- F-NT2RM2001896//S.cerevisiae chromosome III complete DNA sequence//8.6e-30:613:63//X59720
- F-NT2RM2001903//Homo sapiens mRNA for KIAA0462 protein, partial cds//2.9e-176:859:97//AB007931
- F-NT2RM2001930//M.musculus mRNA for semaphorin G//4.7e-117:730:85//X97818
- F-NT2RM2001935//Sequence 11 from Patent WO9610637//1.0:356:60//A50028
- 45 F-NT2RM2001936//Homo sapiens clone 614 unknown mRNA, complete sequence//6.9e-138:653:98//AF091080
- F-NT2RM2001950//RPCI11-24L12.TP RPCI-11 Homo sapiens genomic clone RPCI-11-24L12, genomic survey sequence//2.7e-19:188:81//B86700
- F-NT2RM2001982//Arabidopsis thaliana chromosome II BAC T24I21 genomic sequence, complete sequence//0.42:179:65//AC005825
- 50 F-NT2RM2001983//Homo sapiens RGS-GAIP interacting protein GIPC mRNA, complete cds//3.8e-20:123:98//AF089816
- F-NT2RM2001989//Sequence 3 from patent US 5747317//1.9e-167:786:98//AR004981
- F-NT2RM2001997//Human HepG2 partial cDNA, clone hmd1b08m5//9.6e-25:160:95//D16955
- 55 F-NT2RM2001998//Homo sapiens DNA, chromosome 21q22.2, PAC clone 25P16 complete sequence, encoding carbonyl reductase and carbonyl reductase 3 (complete cds)//0.88:380:60//AB003151
- F-NT2RM2002004//Human Chromosome X, complete sequence//5.0e-88:831:77//AC002407
- F-NT2RM2002014
- F-NT2RM2002030//Mus musculus glutamine:fructose-6-phosphate amidotransferase mRNA, complete cds//

1.5e-89:822:74//U00932  
 F-NT2RM2002049//Bovine elastin mRNA, partial cds.//8.8e-11:125:81//M26132  
 F-NT2RM2002055  
 F-NT2RM2002088//Mus musculus WW domain binding protein 17 mRNA, partial sequence.//1.4e-15:421:63//  
 5 AF073936  
 F-NT2RM2002091//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 50O24, WORKING  
 DRAFT SEQUENCE.//4.6e-160:771:98//AL034380  
 F-NT2RM2002100//Homo sapiens mRNA for ATP-dependent RNA helicase, partial.//7.7e-164:776:98//AJ010840  
 F-NT2RM2002109//Homo sapiens glioma amplified on chromosome 1 protein (GAC1) mRNA, complete cds.//  
 10 2.4e-143:684:98//AF030435  
 F-NT2RM2002128//Mesocricetus auratus guanine nucleotide-binding protein beta 5 (Gnb5) mRNA, complete  
 cds.//7.0e-27:330:73//U13152  
 F-NT2RM2002142//Danio rerio gastrulation specific (G12) mRNA, complete cds.//6.3e-10:135:80//U27121  
 F-NT2RM2002145//Homo sapiens erythroblast macrophage protein EMP mRNA, complete cds.//4.2e-143:800:  
 15 92//AF084928  
 F-NT2RM2002178//Homo sapiens mRNA for KIAA0467 protein, partial cds.//5.2e-164:787:97//AB007936  
 F-NT2RM2002580//Drosophila melanogaster DNA sequence (P1 DS02110 (D147)), complete sequence.//7.4e-  
 13:337:62//AC004423  
 F-NT2RM4000024//D.melanogaster DmRP128 gene for RNA polymerase III second-largest subunit.//1.2e-62:  
 20 801:70//X58826  
 F-NT2RM4000027//Caenorhabditis elegans cosmid F09E5.//0.36:336:60//U37429  
 F-NT2RM4000030//H.sapiens CpG island DNA genomic Mse1 fragment, clone 56h10, forward read  
 cpg56h10.ft1a.//9.3e-22:127:100//Z55685  
 F-NT2RM4000046//Curcubita maxima 25S - 18S rDNA intergenic spacer.//4.1e-05:386:60//X13059  
 25 F-NT2RM4000061  
 F-NT2RM4000085//B.taurus mRNA for nuclear DNA helicase II.//1.9e-10:485:59//X82829  
 F-NT2RM4000086  
 F-NT2RM4000104//Homo sapiens chromosome 16 zinc finger protein ZNF210 (ZNF210) mRNA, complete cds.//  
 4.2e-23:345:69//AF060865  
 30 F-NT2RM4000139//R.norvegicus trg mRNA.//1.4e-56:708:69//X68101  
 F-NT2RM4000155//CIT-HSP-2282N15.TR CIT-HSP Homo sapiens genomic clone 2282N15, genomic survey se-  
 quence.//3.0e-09:88:90//AQ000070  
 F-NT2RM4000156//H.sapiens HPBR11-7 gene.//2.0e-21:586:60//X67336  
 F-NT2RM4000167//Mouse kif4 mRNA for microtubule-based motor protein KIF4, complete cds.//2.7e-143:810:  
 35 90//D12646  
 F-NT2RM4000169//Plasmodium falciparum 3D7 chromosome 12 PFYAC293 genomic sequence, WORKING  
 DRAFT SEQUENCE, 9 unordered pieces.//0.0054:746:57//AC004157  
 F-NT2RM4000191//Mus musculus cathepsin S (CatS) gene, promoter region and exons 1 and 2.//0.00018:468:  
 60//AF051726  
 40 F-NT2RM4000197  
 F-NT2RM4000199//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 620E11, WORKING  
 DRAFT SEQUENCE.//0.67:461:60//AL031667  
 F-NT2RM4000200  
 F-NT2RM4000202//H.sapiens CpG island DNA genomic Mse1 fragment, clone 34c2, forward read cpg34c2.ft1a.//  
 45 1.7e-27:190:90//Z65361  
 F-NT2RM4000210//Homo sapiens mRNA for KIAA0712 protein, complete cds.//1.4e-182:856:98//AB018255  
 F-NT2RM4000215//S.cerevisiae MAK16 protein gene, complete cds, and LTE1 protein gene, 3' end.//3.1e-31:731:  
 62//J03852  
 F-NT2RM4000229//Homo sapiens chromosome 10 clone CIT987SK-1144G6 map 10q25.1, complete sequence.//  
 50 4.6e-102:233:94//AC005383  
 F-NT2RM4000233//Mus musculus semaphorin VIa mRNA, complete cds.//1.6e-135:835:86//AF030430  
 F-NT2RM4000244//RPCI11-24P15.TV RPCI-11 Homo sapiens genomic clone RPCI-11-24P15, genomic survey  
 sequence.//5.5e-08:422:62//B86757  
 F-NT2RM4000251//Mus musculus clone UWGC:mbac92 from 14D1-D2 (T-Cell Receptor Alpha Locus), complete  
 55 sequence.//0.98:207:60//AC005855  
 F-NT2RM4000265//Homo sapiens Chromosome 11q12.2 PAC clone pDJ1081b4 containing human mRNA for T-  
 cell glycoprotein CD6, complete sequence.//5.2e-41:707:65//AC003689  
 F-NT2RM4000290//Human transducin-like enhancer protein (TLE3) mRNA, complete cds.//7.9e-153:609:93//

M99438  
 F-NT2RM4000324  
 F-NT2RM4000327//Rattus norvegicus guanine nucleotide binding protein beta 4 subunit mRNA, partial cds.//3.9e-44:727:68//AF022085  
 5 F-NT2RM4000344//Mus musculus ATP-dependent metalloprotease FtsH1 mRNA, complete cds.//1.0e-143:801:90//AF090430  
 F-NT2RM4000349//Mus musculus clone OST431, genomic survey sequence.//6.1e-80:503:86//AF046700  
 F-NT2RM4000354//HS\_2221\_A2\_C07\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2221 Col=14 Row=E, genomic survey sequence.//1.0e-20:180:83//AQ253449  
 10 F-NT2RM4000356  
 F-NT2RM4000366//Homo sapiens mRNA for KIAA0642 protein, partial cds.//1.6e-133:628:99//AB014542  
 F-NT2RM4000368//RPCI11-91B5.TJ RPCI11 Homo sapiens genomic clone R-91B5, genomic survey sequence.//5.0e-12:431:61//AQ283217  
 F-NT2RM4000386//Mus musculus DOC4 (Doc4) mRNA, complete cds.//7.4e-86:845:72//AF059485  
 15 F-NT2RM4000395//Saccharomyces cerevisiae chromosome VI cosmid 9965.//2.5e-34:767:61//D44597  
 F-NT2RM4000414//Homo sapiens XYLB mRNA for xylulokinase, complete cds.//1.5e-15:114:94//AB015046  
 F-NT2RM4000421  
 F-NT2RM4000425//Homo sapiens chromosome 17, clone hRPK.294\_J\_22, complete sequence.//1.5e-37:295:82//AC005921  
 20 F-NT2RM4000433//Mus musculus retinoic acid-responsive protein (Stra6) mRNA, complete cds.//3.9e-94:740:78//AF062476  
 F-NT2RM4000457//CIT-HSP-2346B17.TR CIT-HSP Homo sapiens genomic clone 2346B17, genomic survey sequence.//1.5e-22:149:92//AQ062111  
 F-NT2RM4000471//Homo sapiens mRNA for putative tRNA splicing protein, partial.//1.3e-76:386:97//AJ010952  
 25 F-NT2RM4000486//Homo sapiens mRNA, complete cds, clone:RES4-22A, //1.1e-22:356:67//AB000459  
 F-NT2RM4000496//Homo sapiens 12p13.3 BAC RPCI11-476M19 (Roswell Park Cancer Institute Human BAC Library) complete sequence.//0.53:198:70//AC005908  
 F-NT2RM4000511  
 F-NT2RM4000514  
 30 F-NT2RM4000515//CIT-HSP-2285L3.TR CIT-HSP Homo sapiens genomic clone 2285L3, genomic survey sequence.//0.0012:200:66//AQ000113  
 F-NT2RM4000520  
 F-NT2RM4000531//Human zinc finger protein 42 (MZF-1) mRNA, complete cds.//2.9e-31:732:64//M58297  
 F-NT2RM4000532//HS\_3231\_B1\_C05\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3231 Col=9 Row=F, genomic survey sequence.//1.3e-59:362:90//AQ192093  
 35 F-NT2RM4000534  
 F-NT2RM4000585//CITBI-E1-2508I18.TR CITBI-E1 Homo sapiens genomic clone 2508I18, genomic survey sequence.//1.1e-34:208:93//AQ260706  
 F-NT2RM4000590//CIT-HSP-2291M14.TF CIT-HSP Homo sapiens genomic clone 2291M14, genomic survey sequence.//8.3e-34:180:99//AQ004125  
 40 F-NT2RM4000595//Homo sapiens chromosome 17, clone hCIT.131\_K\_11, complete sequence.//1.2e-09:203:66//AC005288  
 F-NT2RM4000603//Human mRNA for KIAA0392 gene, partial cds.//5.3e-14:305:68//AB002390  
 F-NT2RM4000611//CIT-HSP-2169F21.TR CIT-HSP Homo sapiens genomic clone 2169F21, genomic survey sequence.//8.4e-16:109:94//B89870  
 45 F-NT2RM4000616//D.melanogaster mRNA for acetyl-CoA synthetase.//2.3e-59:721:68//Z46786  
 F-NT2RM4000674  
 F-NT2RM4000689//CIT-HSP-2381O13.TF CIT-HSP Homo sapiens genomic clone 2381O13, genomic survey sequence.//2.6e-31:174:97//AQ110303  
 50 F-NT2RM4000698  
 F-NT2RM4000700  
 F-NT2RM4000712//Homo sapiens ubiquitin hydrolyzing enzyme I (UBH1) mRNA, partial cds.//1.1e-89:744:77//AF022789  
 F-NT2RM4000717  
 55 F-NT2RM4000733//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 423B22, WORKING DRAFT SEQUENCE.//2.1e-140:299:99//AL034379  
 F-NT2RM4000734//Homo sapiens mRNA for KIAA0760 protein, partial cds.//3.8e-158:743:98//AB018303  
 F-NT2RM4000741

# EP 1 074 617 A2

F-NT2RM4000751//Human zinc finger protein 20 (ZNF20) pentanucleotide repeat polymorphism.//7.1e-95:754:77//M99593  
 F-NT2RM4000764  
 F-NT2RM4000778//Caenorhabditis elegans cosmid F36H12.//0.30:523:60//AF078790  
 5 F-NT2RM4000779//Homo sapiens mRNA for KIAA0451 protein, complete cds.//5.5e-172:810:98//AB007920  
 F-NT2RM4000787//Human DNA sequence from PAC 370M22 on chromosome 22q12-qter. contains GRB2 ADAP-TOR LIKE PROTEIN, UBIQUINOL-CYTOCHROME C REDUCTASE IRON-SULFUR SUBUNIT PRECURSOR (UQCRFS1) exon, ESTs, STS, CA repeat and CpG island.//0.0057:163:69//Z82206  
 F-NT2RM4000790//Homo sapiens chromosome 19, cosmid R27216, complete sequence.//6.9e-39:237:94//AC005306  
 10 F-NT2RM4000795//Rattus norvegicus neuroligin 3 mRNA, complete cds.//5.9e-97:857:74//U41663  
 F-NT2RM4000796//HS\_3214\_B1\_F11\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3214 Col=21 Row=L, genomic survey sequence.//1.1e-14:254:68//AQ175988  
 F-NT2RM4000798//Bos taurus guanine nucleotide-exchange protein (ARF-GEP1) mRNA, complete cds.//6.2e-78:816:72//AF023451  
 15 F-NT2RM4000813//Leishmania major glycoprotein 96-92 (GP 96-92) gene, partial cds.//0.33:276:63//M63109  
 F-NT2RM4000820//, complete sequence.//2.6e-142:450:97//AC005406  
 F-NT2RM4000833//Drosophila melanogaster DNA sequence (P1 DS05273 (D80)), complete sequence.//1.9e-52:501:71//AC004373  
 20 F-NT2RM4000848//Homo sapiens chromosome 17, clone hRPK.167\_N\_20, complete sequence.//1.0:477:56//AC005940  
 F-NT2RM4000852  
 F-NT2RM4000855//Homo sapiens chromosome 17, clone hCIT.457\_L\_16, complete sequence.//3.4e-29:229:83//AC003957  
 25 F-NT2RM4000887  
 F-NT2RM4000895//Homo sapiens HuUAP1 mRNA for UDP-N-acetylglucosamine pyrophosphorylase, complete cds.//2.1e-20:407:64//AB011004  
 F-NT2RM4000950//Homo sapiens clone DJ0917G04, WORKING DRAFT SEQUENCE, 35 unordered pieces.//0.41:311:64//AC004929  
 30 F-NT2RM4000971//RPCI11-53H3.TJ RPCI11 Homo sapiens genomic clone R-53H3, genomic survey sequence.//1.0:208:64//AQ053735  
 F-NT2RM4000979//Homo sapiens chromosome 17, clone hRPK.642\_C\_21, complete sequence.//1.3e-19:207:78//AC005245  
 F-NT2RM4000996//CITBI-E1-2506B10.TF CITBI-E1 Homo sapiens genomic clone 2506B10, genomic survey sequence.//1.4e-73:361:98//AQ263651  
 35 F-NT2RM4001002//Homo sapiens mRNA for KIAA0729 protein, partial cds.//5.1e-170:803:98//AB018272  
 F-NT2RM4001016//Homo sapiens mRNA for KIAA0639 protein, partial cds.//3.3e-125:584:99//AB014539  
 F-NT2RM4001032//Gallus gallus chicken brain factor-2 (CBF-2) mRNA, complete cds.//0.00034:777:58//U47276  
 F-NT2RM4001047//MO25 gene [mice, embryos, mRNA, 2322 nt].//2.5e-92:776:74//S51858  
 40 F-NT2RM4001054//Canis familiaris sec61 homologue mRNA, complete cds.//3.1e-102:859:76//M96629  
 F-NT2RM4001084//CIT-HSP-2330F9.TR CIT-HSP Homo sapiens genomic clone 2330F9, genomic survey sequence.//4.6e-78:379:99//AQ044479  
 F-NT2RM4001092//cSRL-71b1-u cSRL flow sorted Chromosome 11 specific cosmid Homosapiens genomic clone cSRL-71b1, genomic survey sequence.//1.1e-12:152:75//B05776  
 45 F-NT2RM4001116  
 F-NT2RM4001140//Homo sapiens PAC clone DJ0964C11 from 7p14-p15, complete sequence.//1.9e-136:717:93//AC004593  
 F-NT2RM4001151//Streptomyces antibioticus ATP-binding protein and membrane protein (oleC-ORF1, oleC-ORF2, oleC-ORF3, oleC-ORF4, and oleC-PRF5) genes, complete cds; 3427 base-pairs.//0.0083:368:60//L06249  
 50 F-NT2RM4001155//Bos taurus 50 kDa protein (adp50) mRNA, complete cds.//3.9e-120:764:85//U04706  
 F-NT2RM4001160  
 F-NT2RM4001187  
 F-NT2RM4001191//CIT-HSP-2010E7.TF CIT-HSP Homo sapiens genomic clone 2010E7, genomic survey sequence.//6.2e-12:181:72//B53378  
 55 F-NT2RM4001200//H.sapiens HZF10 mRNA for zinc finger protein.//1.3e-66:799:69//X78933  
 F-NT2RM4001203//Homo sapiens rab3-GAP regulatory domain mRNA, complete cds.//4.2e-152:707:99//AF004828  
 F-NT2RM4001204



- F-NT2RM4001217//Homo sapiens ectoderm-neural cortex-1 protein (ENC-1) mRNA, complete cds//1.6e-62:715:70//AF005381
- F-NT2RM4001256//Human NotI linking clone 924A058R, genomic survey sequence//7.6e-14:109:90//U49884
- 5 F-NT2RM4001258//HS\_3171\_B2\_G09\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3171 Col=18 Row=N, genomic survey sequence//2.5e-18:215:77//AQ149676
- F-NT2RM4001309//Human DNA sequence from clone 551E13 on chromosome Xp11.2-11.3 Contains farnesyl pyrophosphate synthetase pseudogene, VT4 protein pseudogene, EST, GSS, complete sequence//4.9e-28:526:66//AL022163
- 10 F-NT2RM4001313//H.sapiens mRNA for phosphatidylinositol 3-kinase//2.5e-77:474:89//Z46973
- F-NT2RM4001316//Caenorhabditis elegans cosmid K09H11//1.2e-16:230:73//U97002
- F-NT2RM4001320//Homo sapiens mRNA for Neuroblastoma, complete cds//1.1e-41:642:66//D89016
- F-NT2RM4001340//EP(3)0614 Drosophila melanogaster EP line Drosophila melanogaster genomic Sequence recovered from 5' end of P element, genomic survey sequence//0.0040:141:68//AQ025127
- 15 F-NT2RM4001344//Caenorhabditis elegans DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y1E3, WORKING DRAFT SEQUENCE//5.5e-06:469:60//AL021388
- F-NT2RM4001347
- F-NT2RM4001371//Arabidopsis thaliana chromosome II BAC T20K9 genomic sequence, complete sequence//0.10:400:61//AC004786
- 20 F-NT2RM4001382//Homo sapiens RanBP7/importin 7 mRNA, complete cds//2.2e-167:790:98//AF098799
- F-NT2RM4001384//Homo sapiens DNA sequence from BAC 747E2 on chromosome 22q12.1. Contains ESTs, STSs and GSSs and genomic marker D22S56, complete sequence//0.99:255:59//AL021393
- F-NT2RM4001410//Homo sapiens genomic DNA, chromosome 21q11.1, segment 1/5, WORKING DRAFT SEQUENCE//0.027:336:58//AP000023
- 25 F-NT2RM4001411//Mus musculus Pro-rich, PH, SH2 domain-containing signaling mediator (PSM) mRNA, complete cds//5.9e-124:783:85//AF020526
- F-NT2RM4001412//Rattus norvegicus GTPase activating protein SynGAP-c mRNA, complete cds//2.2e-34:418:71//AF050183
- F-NT2RM4001414//Homo sapiens full-length insert cDNA clone ZE16C11//9.1e-76:363:100//AF086563
- 30 F-NT2RM4001437//Homo sapiens chromosome 5, BAC clone 313n8 (LBNL H146), complete sequence//2.0e-47:623:69//AC004226
- F-NT2RM4001444//Streptococcus pneumoniae penicillin-binding protein 2b (pbp2b), RecM (recM), D-Ala-D-Ala ligase (ddl), D-Ala-D-Ala adding enzyme (murF), MutT (mutT), cell division protein FtsA (ftsA), cell division protein FtsZ (ftsZ), YlmE (ylmE), YlmF (ylmF), YlmG (ylmG), YlmH (ylmH), cell division protein DivIVA (divIVA), and isoleucine-tRNA synthetase (ileS) genes, complete cds; and unknown gene//3.6e-09:566:58//AF068901
- 35 F-NT2RM4001454
- F-NT2RM4001455
- F-NT2RM4001483//Human zinc finger protein ZNF136//3.2e-36:329:78//U09367
- F-NT2RM4001489//Homo sapiens mRNA for KIAA0685 protein, complete cds//1.2e-155:724:99//AB014585
- F-NT2RM4001519//Plasmodium falciparum 3D7 chromosome 12 PFYAC69 genomic sequence, WORKING DRAFT SEQUENCE, 4 unordered pieces//0.00019:418:59//AC004688
- 40 F-NT2RM4001522//Human HepG2 3' region Mbol cDNA, clone hmd6a08m3//1.4e-16:130:88//D17274
- F-NT2RM4001557
- F-NT2RM4001565
- F-NT2RM4001566
- 45 F-NT2RM4001569//HS\_2050\_B1\_C08\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2050 Col=15 Row=F, genomic survey sequence//2.7e-09:109:84//AQ234720
- F-NT2RM4001582//Mus musculus COP9 complex subunit 7b (COPS7b) mRNA, complete cds//1.2e-127:740:89//AF071317
- F-NT2RM4001592//M.musculus mRNA of enhancer-trap-locus 1//7.3e-117:710:88//X69942
- 50 F-NT2RM4001594//Homo sapiens chromosome 9q34, clone 107G20, WORKING DRAFT SEQUENCE, 2 ordered pieces//0.34:388:59//AC002355
- F-NT2RM4001597//M.musculus red-1 gene//6.2e-139:788:90//X92750
- F-NT2RM4001605//Homo sapiens mRNA for KIAA0791 protein, complete cds//3.3e-162:750:99//AB018334
- F-NT2RM4001611//Synechocystis sp. PCC6803 complete genome, 12/27, 1430419-1576592//2.5e-05:490:58//D90910
- 55 F-NT2RM4001629//Mus musculus palmytoylated protein p55 mRNA, complete cds//0.65:186:64//U38196
- F-NT2RM4001650//\*\*\* SEQUENCING IN PROGRESS \*\*\* Homo sapiens chromosome 4, BAC clone C0435P12; HTGS phase 1, WORKING DRAFT SEQUENCE, 10 unordered pieces//0.99:422:59//AC004689

F-NT2RM4001662//Human mRNA for KIAA0322 gene, partial cds.//2.6e-81:449:93//AB002320  
 F-NT2RM4001666  
 F-NT2RM4001682//Mus musculus clone OST9187, genomic survey sequence.//3.2e-35:240:87//AF046699  
 F-NT2RM4001710//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 126A5, WORKING  
 5 DRAFT SEQUENCE.//1.9e-151:564:97//AL031447  
 F-NT2RM4001714//Human mRNA for KIAA0202 gene, partial cds.//7.0e-85:748:74//D86957  
 F-NT2RM4001715//Human DNA sequence from clone 931K24 on chromosome 20p12 Contains ESTs and GSSs,  
 complete sequence.//1.2e-91:488:94//AL034430  
 F-NT2RM4001731//Orang-utan in volucrin gene, complete cds.//0.40:530:59//M25312  
 10 F-NT2RM4001741//Mouse mRNA for talin.//1.1e-129:737:90//X56123  
 F-NT2RM4001746//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 316G12, WORKING  
 DRAFT SEQUENCE.//2.3e-49:320:89//AL031709  
 F-NT2RM4001754//Homo sapiens 12p13.3 PAC RPCI5-1180D12 (Roswell Park Cancer Institute Human PAC Li-  
 brary) complete sequence.//6.3e-64:379:76//AC005831  
 15 F-NT2RM4001758//R.norvegicus mRNA for serine/threonine kinase MARK1.//3.7e-146:871:87//Z83868  
 F-NT2RM4001776//Homo sapiens mRNA for KIAA0727 protein, partial cds.//2.3e-173:803:99//AB018270  
 F-NT2RM4001783//Homo sapiens clone DJ0981007, complete sequence.//2.0e-165:593:99//AC006017  
 F-NT2RM4001810  
 F-NT2RM4001813//Homo sapiens BAC clone NH0364H22 from 2, complete sequence.//7.1e-31:176:84//  
 20 AC005036  
 F-NT2RM4001819//Human p58/GTA (galactosyltransferase associated protein kinase) mRNA, complete cds.//  
 4.4e-34:195:95//M37712  
 F-NT2RM4001823//Mus musculus zinc finger protein (Zfp64) mRNA, complete cds.//3.3e-51:490:75//U49046  
 F-NT2RM4001828//Human zinc finger containing protein ZNF157 (ZNF157) mRNA, complete cds.//5.6e-74:688:  
 25 72//U28687  
 F-NT2RM4001836//Homo sapiens Chromosome 22q11.2 Cosmid Clone 2h In DGCR Region, complete se-  
 quence.//1.0:406:60//AC000076  
 F-NT2RM4001841//Mus musculus A kinase anchor protein (AKAP-KL) mRNA, alternatively spliced isoform 2,  
 complete cds.//1.6e-131:831:86//AF033275  
 30 F-NT2RM4001842//HS\_3163\_A2\_G10\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3163 Col=20 Row=M, genomic survey sequence.//1.5e-05:355:60//AQ168513  
 F-NT2RM4001856//Caenorhabditis elegans cosmid K08F11.//4.0e-23:823:60//U70855  
 F-NT2RM4001858//Notophthalmus viridescens NvTbox1 mRNA, partial cds.//6.4e-11:266:66//U64433  
 F-NT2RM4001865//Homo sapiens mRNA for atopy related autoantigen CALC.//6.9e-149:704:98//Y17711  
 35 F-NT2RM4001876//F.rubripes GSS sequence, clone 060E22bA4, genomic survey sequence.//5.7e-48:600:68//  
 Z88651  
 F-NT2RM4001880//CIT-HSP-2348J1.TF CIT-HSP Homo sapiens genomic clone 2348J1, genomic survey se-  
 quence.//0.0025:61:88//AQ060809  
 F-NT2RM4001905//R.norvegicus CYP3A1 gene, 5' flanking region.//2.5e-29:535:67//X98335  
 40 F-NT2RM4001922//HS\_2237\_A1\_C10\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=2237 Col=19 Row=E, genomic survey sequence.//2.2e-73:364:98//AQ033732  
 F-NT2RM4001930//Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MX110, complete sequence.//  
 4.9e-10:269:63//AB005248  
 F-NT2RM4001938//Homo sapiens chromosome 17, clone hRPC.1081\_P\_3, complete sequence.//7.6e-152:311:  
 45 100//AC005207  
 F-NT2RM4001940//Homo sapiens timeless homolog mRNA, complete cds.//1.1e-170:808:98//AF098162  
 F-NT2RM4001953//\*\*\* SEQUENCING IN PROGRESS \*\*\* Homo sapiens chromosome 4, BAC clone B13E4;  
 HTGS phase 1, WORKING DRAFT SEQUENCE, 10 unordered pieces.//2.7e-45:310:86//AC004046  
 F-NT2RM4001965//Homo sapiens genomic DNA of 8p21.3-p22 anti-oncogene of hepatocellular colorectal and  
 50 non-small cell lung cancer, segment 11/11.//1.6e-107:622:90//AB020868  
 F-NT2RM4001969//R.norvegicus mRNA for IP63 protein.//3.9e-24:221:76//X99330  
 F-NT2RM4001979//Homo sapiens mRNA for KIAA0798 protein, complete cds.//1.0e-61:527:76//AB018341  
 F-NT2RM4001984//Human DNA sequence from cosmid U151E3, between markers on chromosome X.//5.8e-07:  
 502:60//Z82253  
 55 F-NT2RM4001987//RPCI11-49L11.TJ RPCI11 Homo sapiens genomic clone R-49L11, genomic survey se-  
 quence.//2.6e-33:177:99//AQ051701  
 F-NT2RM4002013//Homo sapiens chromosome 17, clone hRPK.294\_J\_22, complete sequence.//0.019:65:90//  
 AC005921

F-NT2RM4002018//Human high molecular weight B cell growth factor mRNA sequence.//1.0:527:57//L15344  
 F-NT2RM4002034//Human DNA sequence from PAC 84F12 on chromosome Xq25-Xq26.3. Contains glypican-3 precursor (intestinal protein OCI-5) (GTR2-2), ESTs and CA repeat.//0.11:322:60//AL008712  
 F-NT2RM4002044//Homo sapiens SS-A/Ro autoantigen 52 kda component gene, complete cds.//0.015:513:61//U01882  
 5 F-NT2RM4002054//Homo sapiens clone DJ1039L24, WORKING DRAFT SEQUENCE, 3 unordered pieces.//2.0e-44:473:76//AC005283  
 F-NT2RM4002055//Homo sapiens mRNA for KIAA0640 protein, partial cds.//1.0e-171:803:98//AB014540  
 F-NT2RM4002062//Drosophila melanogaster; Chromosome 2L; Region 36B1-36B3; P1 clone DS02528, WORK-  
 10 ING DRAFT SEQUENCE, 8 unordered pieces.//0.0031:298:59//AC005122  
 F-NT2RM4002063//Oryctolagus cuniculus sarcosine oxidase (SOX) mRNA, complete cds.//1.1e-147:705:98//U82267  
 F-NT2RM4002066//Human mRNA for KIAA0192 gene, partial cds.//3.4e-73:889:69//D83783  
 F-NT2RM4002067//Homo sapiens chromosome 5, BAC clone 282B7 (LBNL H192), complete sequence.//1.1e-53:295:76//AC005216  
 15 F-NT2RM4002073//Mus musculus fatty acid transport protein 3 mRNA, partial cds.//7.8e-25:277:75//AF072758  
 F-NT2RM4002075//Homo sapiens actin binding protein MAYVEN mRNA, complete cds.//9.0e-23:588:61//AF059569  
 F-NT2RM4002093//Rat PYBP1 mRNA for pyrimidine binding protein 1.//3.1e-68:544:69//X60789  
 20 F-NT2RM4002109//Mouse kif4 mRNA for microtubule-based motor protein KIF4, complete cds.//2.0e-121:762:86//D12646  
 F-NT2RM4002128//HS\_3084\_A1\_D04\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3084 Col=7 Row=G, genomic survey sequence.//7.7e-18:117:95//AQ186312  
 F-NT2RM4002140  
 25 F-NT2RM4002145//Homo sapiens chromosome 19, fosmid 37308, complete sequence.//1.8e-49:736:65//AC004152  
 F-NT2RM4002146//Homo sapiens MAGOH mRNA, complete cds.//6.5e-70:454:85//AF035940  
 F-NT2RM4002161//Homo sapiens mRNA for LAFPTase, isoform 1, partial.//4.2e-151:763:96//AJ130763  
 F-NT2RM4002174//Helicobacter pylori 26695 section 18 of 134 of the complete genome.//2.1e-16:580:60//AE000540  
 30 F-NT2RM4002189//Homo sapiens DNA sequence from BAC 722E9 on chromosome 22q13.2-13.33. Contains ESTs.//1.0e-07:792:61//AL008636  
 F-NT2RM4002194//Mus musculus semaphorin VIa mRNA, complete cds.//3.2e-132:782:87//AF030430  
 F-NT2RM4002205//Rattus norvegicus nuclear-encoded mitochondrial elongation factor G mRNA, complete cds.//1.5e-40:292: 84//L14684  
 35 F-NT2RM4002213  
 F-NT2RM4002226//Mus musculus p190-B gene, complete cds.//0.099:350:59//U67160  
 F-NT2RM4002251//Homo sapiens chromosome 17, clone HCIT187M2, complete sequence.//1.0:428:58//AC004448  
 40 F-NT2RM4002256//Mouse genomic DNA, chromosome 17, clone cosmid 49.1, genomic survey sequence.//9.4e-60:294:81//AB005959  
 F-NT2RM4002266//Fugu rubripes GSS sequence, clone 006118aG12, genomic survey sequence.//3.3e-12:217:67//AL024779  
 F-NT2RM4002278//HS\_3089\_A1\_E05\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3089 Col=9 Row=I, genomic survey sequence.//1.9e-64:381:92//AQ121653  
 45 F-NT2RM4002281  
 F-NT2RM4002287//CIT-HSP-2327E14.TF CIT-HSP Homo sapiens genomic clone 2327E14, genomic survey sequence.//9.0e-49:336:86//AQ042515  
 F-NT2RM4002294//Human mRNA for KIAA0281 gene, complete cds.//2.1e-48:511:72//D87457  
 50 F-NT2RM4002301//Human NotI linking clone 924A053D, genomic survey sequence.//8.9e-05:62:91//U49881  
 F-NT2RM4002323//Human DNA sequence from clone 59B16 on chromosome 6p22.1-22.3. Contains a pseudo-gene similar to GPISG20 and other exonucleases). Contains ESTs, STSs, GSSs, genomic markers D6S1691 and D6S299 and a ca repeat polymorphism, complete sequence.//4.9e-115:729:87//AL032822  
 F-NT2RM4002339//Homo sapiens PAC clone DJ0728D04, complete sequence.//1.1e-97:457:93//AC004865  
 55 F-NT2RM4002344//Caenorhabditis elegans cosmid K04A8.//2.2e-06:190:69//U64849  
 F-NT2RM4002373//Homo sapiens mRNA for KIAA0649 protein, complete cds.//2.8e-149:708:98//AB014549  
 F-NT2RM4002374//Homo sapiens 12q24 PAC P336P3 (Research Park Cancer Institute Human Genome PAC library) complete sequence.//0.00040:312:63//AC002978

- F-NT2RM4002383//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 469D22, WORKING DRAFT SEQUENCE.//6.8e-29:378:66//AL031284  
F-NT2RM4002390  
F-NT2RM4002398//CIT-HSP-2288N22.TR CIT-HSP Homo sapiens genomic clone 2288N22, genomic survey sequence.//3.4e-35:184:100//AQ001110
- 5 F-NT2RM4002409//Archaeoglobus fulgidus section 15 of 172 of the complete genome.//2.0e-16:468:59//AE001092  
F-NT2RM4002438//Human HLA class III region containing NOTCH4 gene, partial sequence, homeobox PBX2 (HPBX) gene, receptor for advanced glycosylation end products (RAGE) gene, complete cds, and 6 unidentified cds, complete sequence.//1.6e-16:123:91//U89336
- 10 F-NT2RM4002446//Human DNA sequence from cosmid 443D9 from a contig from the tip of the short arm of chromosome 16, spanning 2Mb of 16p13.3 Contains ESTs, STS and CpG islands, //9.6e-64:467:84//Z92845  
F-NT2RM4002452  
F-NT2RM4002457//Human DNA sequence from PAC 151B14 on chromosome 22, complete sequence.//2.2e-24:201:86//Z85988
- 15 F-NT2RM4002460//Homo sapiens PAC clone DJ0630C24 from 7q31-q32, complete sequence.//1.3e-45:487:70//AC004690  
F-NT2RM4002479//Homo sapiens RNA helicase-related protein mRNA, complete cds.//2.7e-163:777:98//AF083255  
F-NT2RM4002482//Homo sapiens mRNA for KIAA0691 protein, complete cds.//2.3e-93:464:97//AB014591
- 20 F-NT2RM4002493  
F-NT2RM4002499//Homo sapiens clone DJ0847008, WORKING DRAFT SEQUENCE, 3 unordered pieces.//3.5e-41:442:75//AC005484  
F-NT2RM4002504//Human DNA sequence from clone 391O22 on chromosome 6p21.2-21.31 Contains pseudo-genes similar to ribosomal protein, ESTs, GSSs, complete sequence.//3.8e-31:233:87//AL031577
- 25 F-NT2RM4002527//Fugu rubripes GSS sequence, clone 096G17aC8, genomic survey sequence.//7.7e-08:274:62//AL027162  
F-NT2RM4002532  
F-NT2RM4002534  
F-NT2RM4002558//Mus musculus fatty acid transport protein 4 mRNA, partial cds.//3.8e-53:394:81//AF072759
- 30 F-NT2RM4002565//Mus musculus Sec8 mRNA, complete cds.//6.4e-160:902:89//AF022962  
F-NT2RM4002567//CITBI-E1-2503J7.TR CITBI-E1 Homo sapiens genomic clone 2503J7, genomic survey sequence.//8.5e-31:220:88//AQ263402  
F-NT2RM4002571//Rattus norvegicus UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase T5 mRNA, complete cds.//5.2e-05:199:65//AF049344
- 35 F-NT2RM4002593//Homo sapiens PAC clone DJ0745K06 from 7q31, complete sequence.//0.89:275:61//AC004875  
F-NT2RM4002594//Drosophila melanogaster, chromosome 2R, region 31C1-31D6, P1 clone DS08879, complete sequence.//3.7e-44:768:64//AC005454  
F-NT2RM4002623//Drosophila melanogaster; Chromosome 2L; Region 36B1-36B3; P1 clone DS02528, WORKING DRAFT SEQUENCE, 8 unordered pieces.//7.8e-34:574:65//AC005122
- 40 F-NT2RP1000018//Homo sapiens mRNA for NIK, partial cds.//3.9e-111:582:95//AB013385  
F-NT2RP1000035//Homo sapiens mRNA for NS1-binding protein (NS1-BP).//1.1e-153:747:96//AJ012449  
F-NT2RP1000040//Homo sapiens genomic DNA, chromosome 21q11.1, segment 18/28, WORKING DRAFT SEQUENCE.//1.6e-125:243:88//AP000047
- 45 F-NT2RP1000063//Caenorhabditis elegans cosmid F31C3, complete sequence.//9.6e-09:414:59//Z92784  
F-NT2RP1000086//H.sapiens mRNA for zinc finger protein, Hsal2.//2.8e-183:548:91//X98834  
F-NT2RP1000101//H.sapiens CpG island DNA genomic Mse1 fragment, clone 28b4, forward read cpg28b4.ft1a.//6.0e-27:163:95//Z60555
- 50 F-NT2RP1000111//CIT-HSP-2307O14.TR CIT-HSP Homo sapiens genomic clone 2307O14, genomic survey sequence.//1.2e-11:128:81//AQ016069  
F-NT2RP1000112//Human kinase (TTK) mRNA, complete cds.//1.0e-38:324:81//M86699  
F-NT2RP1000124//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from MAL4P1, WORKING DRAFT SEQUENCE.//0.59:476:59//AL034557
- 55 F-NT2RP1000130//DNA encoding human Hepatoma-derived Growth Factor.//2.7e-35:535:681//E08546  
F-NT2RP1000163//Homo sapiens cell cycle progression 2 protein (CPR2) mRNA, complete cds.//6.7e-05:77:90//AF011792  
F-NT2RP1000170//Homo sapiens clone NH0001P09, WORKING DRAFT SEQUENCE, 1 unordered pieces.//

1.9e-20:431:64//AC006030  
 F-NT2RP1000174//Homo sapiens clone 24432 mRNA sequence //2.5e-138:679:97//AF070535  
 F-NT2RP1000191  
 F-NT2RP1000202//Porcine mRNA for M130 of smooth muscle myosin phosphatase, partial cds.//5.3e-05:220:61//  
 5 D89496  
 F-NT2RP1000243//Drosophila melanogaster DNA sequence (P1 DS05273 (D80)), complete sequence.//4.7e-51:  
 508:69//AC004373  
 F-NT2RP1000259  
 F-NT2RP1000272//Mus musculus TLS-associated protein with SR repeats mRNA, complete cds.//7.8e-142:866:  
 10 88//AF042383  
 F-NT2RP1000324//RPC111-81O21.TJ RPC111 Homo sapiens genomic clone R-81O21, genomic survey se-  
 quence.//2.8e-29:182:92//AQ285136  
 F-NT2RP1000326//Homo sapiens metaxin 2 (MTX2) mRNA, nuclear gene encoding mitochondrial protein, com-  
 plete cds.//4.2e-147:693:98//AF053551  
 15 F-NT2RP1000333//Caenorhabditis elegans cosmid C03D6, complete sequence.//1.4e-08:281:61//Z75525  
 F-NT2RP1000348//H.sapiens CpG island DNA genomic MseI fragment, clone 12f1, reverse read cpg12f1.rt1c.//  
 1.7e-09:71:100//Z56610  
 F-NT2RP1000357  
 F-NT2RP1000358 5.7e-16:403:61//AC005456  
 20 F-NT2RP1000363//Homo sapiens mRNA for KIAA0638 protein, partial cds.//9.8e-125:497:86//AB014538  
 F-NT2RP1000376//Homo sapiens calcium-independent phospholipase A2 mRNA, complete cds.//1.8e-176:877:  
 96//AF064594  
 F-NT2RP1000409//Homo sapiens repetitive sequences, alphoid DNA, 2482bp.//4.6e-106:700:84//AJ001558  
 F-NT2RP1000413//Homo sapiens mRNA for KIAA0587 protein, complete cds.//9.4e-178:710:98//AB011159  
 25 F-NT2RP1000416  
 F-NT2RP1000418//Oryctolagus cuniculus troponin T cardiac isoform mRNA, 3' end of cds.//1.0:198:60//L40178  
 F-NT2RP1000439//HS\_2182\_A1\_D06\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=2182 Col=11 Row=G, genomic survey sequence.//2.1e-68:441:87//AQ024305  
 F-NT2RP1000443//Homo sapiens genomic DNA, chromosome 21q11.1, segment 18/28, WORKING DRAFT SE-  
 30 QUENCE.//3.8e-57:185:88//AP000047  
 F-NT2RP1000460//Homo sapiens PAC clone DJ0844F09 from 7p12-p13, complete sequence.//2.7e-132:204:99//  
 AC004453  
 F-NT2RP1000470//Human DNA from chromosome 19-specific cosmid R27090, genomic sequence, complete se-  
 quence.//4.9e-80:196:95//AC002985  
 35 F-NT2RP1000478//Human beta-tubulin class III isotype (beta-3) mRNA, complete cds.//1.9e-55:440:80//U47634  
 F-NT2RP1000481//Homo sapiens DNA sequence from PAC 262D12 on chromosome 1q23.3-24.3. Contains a  
 Tenascin (Hexabrachion, Cytotactin, Neuronectin, Myotendinous antigen)-LIKE gene and a mitochondrial/chloro-  
 plast 30S ribosomal protein S14-LIKE gene preceded by a CpG island. Contains ESTs, genomic marker D1S2691  
 and STSs.//2.6e-92:562:88//Z99297  
 40 F-NT2RP1000493//Homo sapiens mRNA for KIAA0017 protein, complete cds.//2.0e-130:622:98//D87686  
 F-NT2RP1000513//Xanthomonas campestris campestris xpsD, xpsM, and xpsN genes, complete cds's.//0.11:360:  
 58//M81648  
 F-NT2RP1000522//Homo sapiens clone DJ0810E06, WORKING DRAFT SEQUENCE, 8 unordered pieces.//4.9e-  
 34:209:93//AC004895  
 45 F-NT2RP1000547//Cricetus griseus COP-coated vesicle membrane protein CHOp24 mRNA, partial cds.//1.2e-  
 08:331:63//U26264  
 F-NT2RP1000574//Homo sapiens homeobox protein MEIS2 (MEIS2) mRNA, partial cds.//4.4e-81:295:92//  
 AF017418  
 F-NT2RP1000577//HS\_2228\_B2\_C05\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 50 nomic clone Plate=2228 Col=10 Row=F, genomic survey sequence.//1.9e-31:179:75//AQ185128  
 F-NT2RP1000581//Pan troglodytes von Willebrand factor (vWF) gene, partial cds.//4.7e-34:223:90//U31620  
 F-NT2RP1000609//Homo sapiens chromosome 11, BAC Clt-HSP-311e8 (BC269730) containing the hFEN1 gene,  
 complete sequence.//1.6e-18:229:65//AC004770  
 F-NT2RP1000629//Mouse clathrin-associated protein (AP47) mRNA, complete cds.//9.3e-89:584:84//M62419  
 55 F-NT2RP1000630//Human DNA sequence from PAC 151B14 on chromosome 22 Contains EST, complete se-  
 quence.//1.0:203:63//Z85989  
 F-NT2RP1000677//Homo sapiens chromosome 19, cosmid R30538, complete sequence.//0.0034:350:61//  
 AC005943

F-NT2RP1000688//H.sapiens gene for mitochondrial ATP synthase c subunit (P1 form)//5.2e-10:120:80//X69907  
 F-NT2RP1000695  
 F-NT2RP1000701//Sequence 1 from patent US 5580968//2.4e-99:624:86//I30536  
 F-NT2RP1000721//Homo sapiens clone DJ0943F02, WORKING DRAFT SEQUENCE, 3 unordered pieces//1.1e-  
 5 19:188:81//AC004932  
 F-NT2RP1000730  
 F-NT2RP1000733//Human chromosome 16p13-1 BAC clone CIT987SK-551G9 complete sequence//1.3e-30:  
 315:75//U95742  
 F-NT2RP1000738//Homo sapiens Wolf-Hirschhorn syndrome candidate 2 protein (WHSC2) mRNA, complete  
 10 cds//8.0e-122:604:96//AF101434  
 F-NT2RP1000746//HS\_3084\_A1\_H03\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3084 Col=5 Row=O, genomic survey sequence//1.5e-83:466:92//AQ186344  
 F-NT2RP1000767//Homo sapiens full-length insert cDNA clone ZD81B04//2.8e-21:144:91//AF086442  
 F-NT2RP1000782//Homo sapiens tetraspan TM4SF (TSPAN-3) mRNA, complete cds//2.1e-121:591:97//  
 15 AF054840  
 F-NT2RP1000796//T.thermophilus phosphofructokinase 1 (PFK1) gene, complete cds//0.76:263:64//M71213  
 F-NT2RP1000825//Human DNA sequence from clone 116F5 on chromosome 22q13. Contains part of an unknown  
 gene and part of a RhoGAP (CDC42 GTPase Activating Protein) LIKE gene. Contains ESTs, STSs, GSSs, genomic  
 marker D22S1168 and a CA repeat polymorphism, complete sequence//1.5e-77:163:96//Z93244  
 20 F-NT2RP1000833//Homo sapiens cGMP-specific phosphodiesterase (PDE9A2) mRNA, complete cds//1.3e-147:  
 424:96//AF048837  
 F-NT2RP1000834//Homo sapiens alpha-methylacyl-CoA racemase mRNA, complete cds//1.9e-89:702:79//  
 AF047020  
 F-NT2RP1000836//Homo sapiens DNA sequence from PAC 434O14 on chromosome 1q32.3.41. Contains the  
 25 HSD11B1 gene for Hydroxysteroid (11-beta) Dehydrogenase 1, the ADORA2BP adenosine A2b receptor LIKE  
 pseudogene, the IRF6 gene for Interferon Regulatory Factor 6 and two novel genes. Contains ESTs and GSSs,  
 complete sequence//8.7e-169:842:96//AL022398  
 F-NT2RP1000846//Human chromosome 8 BAC clone CIT987SK-2A8 complete sequence//3.3e-15:196:76//  
 U96629  
 30 F-NT2RP1000851//Homo sapiens PAC clone 267D11 from 12, complete sequence//1.6e-144:724:96//AC004812  
 F-NT2RP1000856//Homo sapiens tetraspan TM4SF (TSPAN-3) mRNA, complete cds//2.1e-121:591:97//  
 AF054840  
 F-NT2RP1000860//Homo sapiens KL04P mRNA, complete cds//6.7e-106:551:95//AF064094  
 F-NT2RP1000902//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 316D5, WORKING  
 35 DRAFT SEQUENCE//0.0097:55:100//Z82199  
 F-NT2RP1000915//H.sapiens genomic DNA fragment (clone J32A032R)//1.3e-30:174:97//Z94761  
 F-NT2RP1000916  
 F-NT2RP1000943//Hylobates lar huntingtin gene, partial exon//0.19:103:72//L49362  
 F-NT2RP1000944//HS\_2179\_B2\_C12\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 40 nomic clone Plate=2179 Col=24 Row=F, genomic survey sequence//0.032:140:63//AQ065269  
 F-NT2RP1000947//Mus musculus ubiquitin conjugating enzyme (ubc4) mRNA, complete cds//3.7e-53:461:78//  
 U62483  
 F-NT2RP1000954//cSRL-143G4-u cSRL flow sorted Chromosome 11 specific cosmid Homo sapiens genomic  
 clone cSRL-143G4, genomic survey sequence//0.030:89:78//B01950  
 45 F-NT2RP1000958//Caenorhabditis elegans cosmid K01C8, complete sequence//3.9e-11:445:61//Z49068  
 F-NT2RP1000959//Homo sapiens PAC clone 278C19 from 12q, complete sequence//3.3e-57:326:92//AC004263  
 F-NT2RP1000966//Human nucleolin gene, complete cds//3.4e-64:197:981//M60858  
 F-NT2RP1000980//CIT-HSP-2314B10.TF CIT-HSP Homo sapiens genomic clone 2314B10, genomic survey se-  
 quence//0.32:137:68//AQ017126  
 50 F-NT2RP1000988//Human chromosome 3p21.1 gene sequence//8.0e-72:665:80//L13435  
 F-NT2RP1001011//Drosophila melanogaster DNA repair protein (mei-41) gene, complete cds, and TH1 gene,  
 partial cds//1.3e-31:497:65//U34925  
 F-NT2RP1001013//HS\_3068\_B1\_809\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3068 Col=17 Row=D, genomic survey sequence//1.0e-24:414:66//AQ127667  
 55 F-NT2RP1001014//HS\_3252\_B1\_B05\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3252 Col=9 Row=D, genomic survey sequence//0.00052:83:81//AQ304711  
 F-NT2RP1001033//Homo sapiens chromosome 17, clone hRPC-1073\_F\_15, complete sequence//1.3e-134:241:  
 99//AC004686

- F-NT2RP1001073//Homo sapiens PAC clone DJ1194E14 from 7p21, complete sequence.//2.5e-59:451:83//AC004993
- F-NT2RP1001079//Oryctolagus cuniculus sarcosine oxidase (SOX) mRNA, complete cds.//4.5e-93:476:96//U82267
- 5 F-NT2RP1001080//Homo sapiens clone DJ0971C03, WORKING DRAFT SEQUENCE, 18 unordered pieces.//6.6e-54:217:89//AC004938
- F-NT2RP1001113
- F-NT2RP1001173
- F-NT2RP1001177//Rattus norvegicus histone macroH2A1.2 mRNA, complete cds.//8.1e-26:373:681/U79139
- 10 F-NT2RP1001185//Homo sapiens clone NH0319F03, WORKING DRAFT SEQUENCE, 3 unordered pieces.//3.5e-32:388:73//AC006039
- F-NT2RP1001199
- F-NT2RP1001247//Homo sapiens signaling molecule LEFTY-A gene, exon 1.//2.0e-29:166:96//AF081508
- F-NT2RP1001248//Homo sapiens Chromosome 11q23 PAC clone pDJ356d6, complete sequence.//7.3e-50:128:99//AC002036
- 15 F-NT2RP1001253//Homo sapiens oscillin (hLn) mRNA, complete cds.//4-3e-91:344:93//AF029914
- F-NT2RP1001286//Homo sapiens chromosome X region from filamin (FLN) gene to glucose-6-phosphate dehydrogenase (G6PD) gene, complete cds's-//0.54:292:63//L44140
- F-NT2RP1001294
- 20 F-NT2RP1001302
- F-NT2RP1001310//Rabbit skeletal muscle mRNA for ryanodine receptor.//1.5e-07:335:64//X15750
- F-NT2RP1001311//RPC111-67O14.TK RPC111 Homo sapiens genomic clone R-67O14, genomic survey sequence.//0.26:80:75//AQ239291
- F-NT2RP1001313//Homo sapiens Chromosome 11q12.2 PAC clone pDJ519o13 containing human gene for ferritin heavy chain (FTH), complete sequence.//8.8e-75:304:98//AC004228
- 25 F-NT2RP1001361//B.taurus Cl-B14.5b mRNA for NADH dehydrogenase (ubiquinone).//2.7e-57:412:84//X68647
- F-NT2RP1001385
- F-NT2RP1001395//Mus musculus COP9 complex subunit 7a (COPS7a) mRNA, complete cds.//1.4e-72:535:83//AF071316
- 30 F-NT2RP1001410//Homo sapiens DNA sequence from PAC 257I20 on chromosome 22q13.1-13.2. Contains cytochrome P450 pseudogenes CYP2D7P, CYP2D8P, CYP2D6(D), TCF20, NADH ubiquinone oxidoreductase B14 subunit, ESTs, CA repeat, STS, GSS.//5.8e-105:570:94//AL021878
- F-NT2RP1001424
- 35 F-NT2RP1001432
- F-NT2RP1001449//Homo sapiens clone 24733 mRNA sequence.//1.7e-84:422:97//AF052149
- F-NT2RP1001457//Xenopus laevis notchless (nle) mRNA, complete cds.//1.3e-47:471:73//AF069737
- F-NT2RP1001466//HS\_3006\_A2\_D08\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3006 Col=16 Row=G, genomic survey sequence.//0.56:289:60//AQ154336
- 40 F-NT2RP1001475//H.sapiens genomic DNA fragment (clone NLMA194R).//0.00011:91:79//Z95375
- F-NT2RP1001482//Mouse oncogene (ect2) mRNA, complete cds.1/4-0e-87:563:85//L11316
- F-NT2RP1001494
- F-NT2RP10015431//Drosophila melanogaster DNA sequence (P1 DS01142 (D148)), complete sequence.//1.9e-27:387:67//AC004280
- 45 F-NT2RP1001546//Homo sapiens tetraspan TM4SF (TSPAN-3) mRNA, complete cds.//8.0e-63:314:98//AF054840
- F-NT2RP1001569//Mus musculus signal recognition particle receptor beta subunit mRNA, complete cds.//1.2e-68:514:81//U17343
- F-NT2RP100T616//Human clone 23665 mRNA sequence.//7.6e-40:496:74//U90913
- 50 F-NT2RP1001665//CIT-HSP-2059N5.TF CIT-HSP Homo sapiens genomic clone 2059N5, genomic survey sequence.//2.4e-45:305:88//B69912
- F-NT2RP2000001//Homo sapiens clone 617 unknown mRNA, complete sequence.//1.5e-135:685:96//AF091081
- F-NT2RP2000006//HS\_3061\_B2\_C03\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3061 Col=6 Row=F, genomic survey sequence.//1.9e-17:394:67//AQ178856
- 55 F-NT2RP2000007//Human mRNA for KIAA0392 gene, partial cds.//3.5e-14:241:68//AB002390
- F-NT2RP2000008//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 257E24, WORKING DRAFT SEQUENCE.//1.7e-34:147:99//AL034424
- F-NT2RP2000027//Homo sapiens BAC clone RG118P15 from 8q21, complete sequence.//1.4e-32:345:75//

AC005066  
 F-NT2RP2000032//F.rubripes GSS sequence, clone 060E22aG10, genomic survey sequence.//5.0e-41:445:72//Z88655  
 F-NT2RP2000040//Homo sapiens mRNA for KIAA0747 protein, partial cds.//1.9e-76:383:97//AB018290  
 5 F-NT2RP2000045//Homo sapiens tumorous imaginal discs protein Tid56 homolog (TID1) mRNA, complete cds.//2.4e-95:467:97//AF061749  
 F-NT2RP2000054//CIT-HSP-2328J24.TF CIT-HSP Homo sapiens genomic clone 2328J24, genomic survey sequence.//3.3e-39:236:91//AQ043092  
 F-NT2RP2000056//Rat mRNA for protein tyrosine phosphatase epsilon C, partial cds.//3.2e-50:311:90//D78610  
 10 F-NT2RP2000067//Mus musculus DOC4 (Doc4) mRNA, complete cds.//3.0e-55:766:66//AF059485  
 F-NT2RP2000070//Homo sapiens chromosome 5, BAC clone 34j15 (LBNL H169), complete sequence.//2.0e-118:597:95//AC005754  
 F-NT2RP2000076//Homo sapiens clone NH0263G22, complete sequence.//0.0017:423:60//AC006037  
 F-NT2RP2000077//Homo sapiens growth arrest specific 11 (GAS11) mRNA, complete cds.//2.1e-77:278:97//AF050079  
 15 F-NT2RP2000079//H.sapiens CpG island DNA genomic Mse1 fragment, clone 40c2, forward read cpg40c2.ft1k.//3.2e-33:197:95//Z55440  
 F-NT2RP2000088//Homo sapiens mRNA for KIAA0795 protein, partial cds.//2.2e-158:752:98//AB018338  
 F-NT2RP2000091//HS\_2228\_A2\_B02\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2228 Col=4 Row=C, genomic survey sequence.//0.26:55:90//AQ146363  
 20 F-NT2RP2000097  
 F-NT2RP2000098//Homo sapiens clone DJ1098J04, WORKING DRAFT SEQUENCE, 2 unordered pieces.//2.5e-05:482:60//AC004961  
 F-NT2RP2000108//Homo sapiens DNA from chromosome 19, BAC 33152, complete sequence.//1.0e-22:274:69//AC003973  
 25 F-NT2RP2000114//Homo sapiens mRNA for GM3 synthase, complete cds.//4.9e-114:551:97//AB018356  
 F-NT2RP2000120//HS\_3000\_B1\_E03\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3000 Col=5 Row=J, genomic survey sequence.//1.8e-21:129:97//AQ090365  
 F-NT2RP2000126//Homo sapiens chromodomain-helicase-DNA-binding protein mRNA, complete cds.//4.2e-119:607:96//AF054177  
 30 F-NT2RP2000133//Homo sapiens PAC clone DJ044L15 from Xq23, complete sequence.//1.3e-07:339:63//AC004827  
 F-NT2RP2000147//Mouse clathrin-associated protein (AP47) mRNA, complete cds.//9.0e-101:638:85//M62419  
 F-NT2RP2000153//Human DNA sequence from clone 218J18 on chromosome Xp11.3-11.4. Contains the NDP (Norrie Disease (Pseudoglioma)) gene and a CC1.3 Splicing Factor pseudogene. Contains ESTs, STSs and GSSs, complete sequence.//0.45:377:58//AL034370  
 35 F-NT2RP2000157//Homo sapiens Chr.14 PAC RPC14-794B2 (Roswell Park Cancer Institute Human PAC Library) complete sequence.//4.0e-73:317:87//AC005924  
 F-NT2RP2000161//CIT-HSP-2353L5.TF.1 CIT-HSP Homo sapiens genomic clone 2353L5, genomic survey sequence.//3.0e-14:123:90//AQ263431  
 40 F-NT2RP2000173  
 F-NT2RP2000175  
 F-NT2RP2000183//F.rubripes GSS sequence, clone 168M02aC2, genomic survey sequence.//3.7e-06:152:66//AL007295  
 45 F-NT2RP2000195//Human DNA sequence from clone 45I4 on chromosome 6q24.1-24.3. Contains two putative unknown genes, ESTs, STSs and GSSs, complete sequence.//7.6e-62:170:99//AL023581  
 F-NT2RP2000205  
 F-NT2RP2000208//Homo sapiens chromosome 19, overlapping cosmids R29828 and F25496, complete sequence.//7.2e-80:170:90//AC003030  
 50 F-NT2RP2000224//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-152E5, complete sequence.//5.5e-64:400:85//AC004382  
 F-NT2RP2000232//Human DNA sequence from PAC 196E23 on chromosome Xq26.1-27.2. Contains the TAT-SF1 (HIV-1 transcriptional elongation factor TAT cofactor TAT-SF1) gene, the BRS3 (Bombesin Receptor subtype-3 (Uterine Bombesin Receptor, BRS-3) gene, an unknown gene coding for two isoforms, a predicted CpG island, ESTs and STSs.//2.2e-07:280:66//Z97632  
 55 F-NT2RP2000233//Mus musculus tumor metastasis associated gene product (MAG) mRNA, complete cds.//8.8e-30:508:67//U88401  
 F-NT2RP2000239//Homo sapiens chromosome 4 clone B353C18 map 4q25, complete sequence.//4.0e-79:504:



87//AC004066  
 F-NT2RP2000248  
 F-NT2RP2000257//Caenorhabditis elegans DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y1E3, WORK-  
 ING DRAFT SEQUENCE.//0.0078:286:60//AL021388  
 5 F-NT2RP2000258//CIT-HSP-2349P21.TF CIT-HSP Homo sapiens genomic clone 2349P21, genomic survey se-  
 quence.//5.7e-82:416:97//AQ059184  
 F-NT2RP2000270//Homo sapiens chromosome 19, BAC CIT-B-393i15 (BC301323), complete sequence.//4.5e-  
 29:310:73//AC006116  
 F-NT2RP2000274  
 10 F-NT2RP2000283//G.gallus mRNA for LRP/alpha-2-macroglobulin receptor.//6.3e-20:260:73//X74904  
 F-NT2RP2000288  
 F-NT2RP2000289  
 F-NT2RP2000297//Figure 2. Nucleotide and translated protein sequences of HPF1, -2, and -9.//4.6e-69:744:70//  
 M27877  
 15 F-NT2RP2000298//Streptomyces coelicolor cosmid 2E9.//4.4e-05:502:59//AL021530  
 F-NT2RP2000310//WORKING DRAFT SEQUENCE, 6 unordered pieces.//2.1e-13:173:76//AC006082  
 F-NT2RP2000327//Homo sapiens DNA sequence from PAC 434O14 on chromosome 1q32.3.-41. Contains the  
 HSD11B1 gene for Hydroxysteroid (11-beta) Dehydrogenase 1, the ADORA2BP adenosine A2b receptor LIKE  
 pseudogene, the IRF6 gene for Interferon Regulatory Factor 6 and two novel genes. Contains ESTs and GSSs,  
 20 complete sequence.//8.3e-144:731:95//AL022398  
 F-NT2RP2000328//Human DNA sequence from clone 931K24 on chromosome 20p12 Contains ESTs and GSSs,  
 complete sequence.//1.9e-102:555:90//AL034430  
 F-NT2RP2000329//Bovine mitochondrial GTP:AMP phosphotransferase mRNA, complete cds.//6.4e-105:639:87//  
 M25757  
 25 F-NT2RP2000337//HS\_2060\_B1\_E01\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=2060 Col=1 Row=J, genomic survey sequence.//0.78:218:60//AQ243333  
 F-NT2RP2000346//Homo sapiens apoptosis associated protein (GADD34) mRNA, complete cds.//3.6e-129:627:  
 97//U83981  
 F-NT2RP2000369//HS\_2182\_B1\_B11\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 30 nomic clone Plate=2182 Col=21 Row=D, genomic survey sequence.//2.5e-87:421:99//AQ024835  
 F-NT2RP2000412//Human DNA sequence from PAC 124O9 on chromosome 6q21. Contains DNAJ2 (HDJ1) like  
 pseudogene, ESTs, STSs and GSSs.//0.72:170:65//AL021327  
 F-NT2RP2000414//Homo sapiens HnRNP F protein mRNA, complete cds.//5.0e-66:375:93//L28010  
 F-NT2RP2000420//Homo sapiens full-length insert cDNA YQ86E07.//9.2e-77:423:93//AF075093  
 35 F-NT2RP2000422//Homo sapiens N-acetylglucosamine-phosphate mutase mRNA, complete cds.//2.1e-126:609:  
 96//AF102265  
 F-NT2RP2000438//CITBI-E1-2519O19.TR CITBI-E1 Homo sapiens genomic clone 2519O19, genomic survey se-  
 quence.//0.96:61:78//AQ276878  
 F-NT2RP2000448//Homo sapiens PAC clone DJ0740D02 from 7p14-p15, complete sequence.//7.1e-17:341:67//  
 40 AC004691  
 F-NT2RP2000459//H.sapiens mRNA for imogen 38.//5.7e-21:158:87//Z68747  
 F-NT2RP2000498//Human DNA sequence from PAC 435C23 on chromosome X. Contains ESTs.//3.2e-11:160:  
 73//Z92844  
 F-NT2RP2000503//Homo sapiens PAC clone DJ1136G13 from 7q35-q36, complete sequence.//0.0031:187:66//  
 45 AC005229  
 F-NT2RP2000510//Fugu rubripes GSS sequence, clone 066G04aC1, genomic survey sequence.//8.8e-07:179:  
 64//AL026277  
 F-NT2RP2000516//Mus musculus t complex testis-specific protein (Tctex2) gene, wild type, promoter sequence.//  
 0.19:72:81//U21671  
 50 F-NT2RP2000523//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 150C2, WORKING  
 DRAFT SEQUENCE.//5.0e-115:570:96//AL022318  
 F-NT2RP2000603//Homo sapiens mRNA for MCM3 import factor, complete cds.//8.4e-37:196:98//AB005543  
 F-NT2RP2000617//Homo sapiens chromosome 19, cosmid R27377, complete sequence.//0.81:354:60//  
 AC005321  
 55 F-NT2RP2000634//Homo sapiens mRNA for KIAA0614 protein, partial cds.//1.3e-149:732:97//AB014514  
 F-NT2RP2000644//HS\_3211\_A1\_F06\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3211 Col=11 Row=K, genomic survey sequence.//3.6e-42:282:86//AQ175486  
 F-NT2RP2000656

F-NT2RP2000658//CITBI-E1-2518N15.TF CITBI-E1 Homo sapiens genomic clone 2518N15, genomic survey sequence.//0.57:141:66//AQ278386  
 F-NT2RP2000668  
 F-NT2RP2000678//Homo sapiens clone DJ0891L14, WORKING DRAFT SEQUENCE, 12 unordered pieces.//4.3e-22:433:62//AC004916  
 F-NT2RP2000704//Homo sapiens Xp22-175-176 BAC GSHB-484O17 (Genome Systems Human BAC Library) complete sequence.//2.7e-22:270:75//AC005913  
 F-NT2RP2000710//Drosophila melanogaster; Chromosome 2L; Region 36B1-36B3; P1 clone DS02528, WORKING DRAFT SEQUENCE, 8 unordered pieces.//1.4e-32:574:64//AC005122  
 F-NT2RP2000715//Homo sapiens PAC clone DJ1066K24 from 7p15, complete sequence.//4.8e-113:546:98//AC004540  
 F-NT2RP2000731//Homo sapiens clone DJ1106H14, WORKING DRAFT SEQUENCE, 42 unordered pieces.//0.97:115:70//AC004965  
 F-NT2RP2000758//Human LIM-kinase1 and alternatively spliced LIM-kinase1 (LIMK1) gene, complete cds.//9.7e-16:162:77//U62293  
 F-NT2RP2000764//HS\_2254\_B2\_D07\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2254 Col=14 Row=H, genomic survey sequence.//0.071:45:95//AQ068887  
 F-NT2RP2000809  
 F-NT2RP2000812//Egernia stokesii clone EST3 microsatellite.//0.040:158:64//AF069698  
 F-NT2RP2000814  
 F-NT2RP2000816  
 F-NT2RP2000819  
 F-NT2RP2000841//Human mRNA for KIAA0294 gene, complete cds.//1.1e-26:390:70//AB002292  
 F-NT2RP2000842//H.sapiens mRNA for G protein-coupled receptor Edg-2.//1.2e-44:255:93//Y09479  
 F-NT2RP2000845  
 F-NT2RP2000863//Human partial cDNA sequence, clone x874.//5.9e-29:173:94//Z47045  
 F-NT2RP2000880//Homo sapiens mRNA for KIAA0741 protein, complete cds.//2.4e-140:732:94//AB018284  
 F-NT2RP2000892  
 F-NT2RP2000931//Homo sapiens mRNA for KIAA0723 protein, complete cds.//3.4e-129:610:98//AB018266  
 F-NT2RP2000932//Homo sapiens BAC clone GS166A23 from 7p21, complete sequence.//1.8e-37:212:84//AC005014  
 F-NT2RP2000938//Human DNA sequence from cosmid RJ14 from a contig from the tip of the short arm of chromosome 16, spanning 2Mb of 16p13.3. Contains ESTs and CpG island.//1.6e-126:682:93//Z69890  
 F-NT2RP2000943//Homo sapiens mRNA for KIAA0755 protein, complete cds.//5.8e-112:533:98//AB018298  
 F-NT2RP2000965  
 F-NT2RP2000970//Homo sapiens DNA sequence from BAC 747E2 on chromosome 22q12.1. Contains ESTs, STSs and GSSs and genomic marker D22S56, complete sequence.//9.2e-101:505:96//AL021393  
 F-NT2RP2000985//Homo sapiens chromosome 17, clone hRPK.597\_M\_12, complete sequence.//1.6e-72:498:82//AC005277  
 F-NT2RP2000987//Human Chromosome 16 BAC clone CIT987SK-A-211C6, complete sequence.//7.4e-12:171:77//AC002394  
 F-NT2RP2001036//Homo sapiens chromosome 17, clone HRPC1096F1, complete sequence.//1.2e-37:390:76//AC004167  
 F-NT2RP2001044//HS\_2253\_B1\_G01\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2253 Col=1 Row=N, genomic survey sequence.//0.21:276:61//AQ069224  
 F-NT2RP2001056//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0488.//3.2e-144:696:97//AB007957  
 F-NT2RP2001065  
 F-NT2RP2001070//Rattus norvegicus pyridoxine 5'-phosphate oxidase mRNA, complete cds.//4.3e-104:775:81//U91561  
 F-NT2RP2001081//Rattus norvegicus synaptotagmin XI mRNA, complete cds.//3.7e-69:488:82//AF000423  
 F-NT2RP2001094//Human DNA sequence from PAC 410B11 on chromosome X contains STS.//7.4e-11:490:61//Z86063  
 F-NT2RP2001119//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 745C22, WORKING DRAFT SEQUENCE.//5.1e-30:316:76//AL031596  
 F-NT2RP2001127//Human mRNA for KIAA0234 gene, complete cds.//1.1e-31:519:63//D87072  
 F-NT2RP2001137//HS\_2193\_B2\_D12\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2193 Col=24 Row=H, genomic survey sequence.//1.8e-11:136:78//AQ032187

# EP 1 074 617 A2

F-NT2RP2001149//Homo sapiens Chromosome 22q11.2 Cosmid Clone 2h In DGCR Region, complete sequence.//6.2e-29:247:78//AC000076

F-NT2RP2001168//Human DNA sequence from clone 431P23 on chromosome 6q27. Contains the first coding exon of the MLLT4 gene for myeloid/lymphoid or mixed-lineage leukemia (trithorax (Drosophila) homolog); trans-located to, 4 (AF-6, Afadin, MLLT-4, ALL-1 fusion partner), and a Serine Palmitoyltransferase 2 (EC 2.3.1.50, Long Chain Base Biosynthesis protein 2, LCB-2, SPT-2) pseudogene. Contains ESTs, STss, GSSs, and a putative CpG island, complete sequence.//0.23:207:66//AL009178

5 F-NT2RP2001173//Homo sapiens mRNA for KIAA0480 protein, complete cds.//2.3e-112:567:96//AB007949

F-NT2RP2001174//RPC111-58L2.TK RPC111 Homo sapiens genomic clone R-58L2, genomic survey sequence.//7.6e-07:196:64//AQ237306

10 F-NT2RP2001196

F-NT2RP2001218

F-NT2RP2001226//Homo sapiens LERK-6 (EPLG6) gene, exon 1.//1.1e-09:320:65//U92893

F-NT2RP2001233//Human ZFP-36 mRNA for a zinc finger protein.//6.1e-71:681:72//X51760

15 F-NT2RP2001245//HS\_3062\_B1\_F07\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3062 Col=13 Row=L, genomic survey sequence.//1.5e-05:268:63//AQ143177

F-NT2RP2001268//Homo sapiens mRNA for KIAA0810 protein, partial cds.//2.5e-106:514:97//AB018353

F-NT2RP2001277//Plasmodium falciparum chromosome 2, section 67 of 73 of the complete sequence.//0.32:183:64//AE001430

20 F-NT2RP2001290//M.musculus mRNA for I47 clone.//8.6e-102:641:86//X61455

F-NT2RP2001295//Caenorhabditis elegans DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y105E8, WORKING DRAFT SEQUENCE.//0.20:171:63//AL022594

F-NT2RP2001312//Bovine synaptophysin mRNA, complete cds.//0.98:253:58//M22967

F-NT2RP2001327//Human B12 protein mRNA, complete cds.//5.8e-29:359:71//M80783

25 F-NT2RP2001328//CIT-HSP-2335A5.TF CIT-HSP Homo sapiens genomic clone 2335A5, genomic survey sequence.//1.3e-65:366:94//AQ038539

F-NT2RP2001347//Homo sapiens complete genomic sequence between D16S3070 and D16S3275, containing Familial Mediterranean Fever gene disease.//3.8e-31:325:77//AJ003147

F-NT2RP2001366//H.sapiens CpG island DNA genomic Mse1 fragment, clone 4e11, forward read cpg4e11.f1a.//1.7e-12:98:92//Z61305

30 F-NT2RP2001378//HS\_3054\_B2\_A03\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3054 Col=6 Row=B, genomic survey sequence.//9.8e-17:131:89//AQ100721

F-NT2RP2001381//Arabidopsis thaliana BAC T2L5.//0.080:434:59//AF096371

F-NT2RP2001392//S.pristinaespiralis snbC gene & amp; snbDE gene.//0.019:267:59//Y11548

35 F-NT2RP2001394//Human DNA sequence from PAC 389A20 on chromosome X contains ESTs STS, CpG islands and polymorphic CA repeat.//1.9e-16:133:78//Z93242

F-NT2RP2001397//Bos taurus cyclin B2 (CYCB2) mRNA, complete cds.//1.3e-63:419:84//AF080219

F-NT2RP2001420//Mus musculus nuclear protein NIP45 mRNA, complete cds.//3.1e-98:747:79//U76759

F-NT2RP2001423//Xenopus laevis ER1 mRNA, complete cds.//3.7e-34:269:85//AF015454

40 F-NT2RP2001427//Homo sapiens Chromosome 2p13 BAC Clone h173, complete sequence.//3.2e-13:164:78//AC003065

F-NT2RP2001436//Mus musculus clone OST1784, genomic survey sequence.//3.0e-06:136:71//AF046702

F-NT2RP2001440//cDNA sequence coding for gamma protein.//7.9e-83:553:86//E02350

F-NT2RP2001445//P.falciparum complete gene map of plastid-like DNA (IR-A).//1.5e-09:829:57//X95275

45 F-NT2RP2001449//B.taurus mRNA for cleavage and polyadenylation specificity factor.//1.3e-136:766:90//X75931

F-NT2RP2001450

F-NT2RP2001467

F-NT2RP2001506//CIT-HSP-2374H21.TF CIT-HSP Homo sapiens genomic clone 2374H21, genomic survey sequence.//7.9e-14:151:80//AQ109561

50 F-NT2RP2001511//Oryctolagus cuniculus translation initiation factor eIF2C mRNA, complete cds.//2.6e-22:462:64//AF005355

F-NT2RP2001520//Homo sapiens mRNA for mitochondrial carrier protein ARALAR1.//2.0e-136:657:97//Y14494

F-NT2RP2001526//Homo sapiens chromosome 17, clone hCIT.175\_E\_5, complete sequence.//1.2e-37:357:64//AC004596

55 F-NT2RP2001536//Homo sapiens X-ray repair cross-complementing protein 3 (XRCC3) mRNA, complete cds.//1.6e-103:384:94//AF035586

F-NT2RP2001560

F-NT2RP2001569//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0488.//4.4e-123:590:98//

- AB007957  
 F-NT2RP2001576//Schistocerca americana Antennapedia homeotic protein (Antp) mRNA, complete cds.//0.038:580:58//U32943
- 5 F-NT2RP2001581//Mus musculus semaphorin VIa mRNA, complete cds.//6.5e-09:222:66//AF030430  
 F-NT2RP2001597//Homo sapiens alpha2-C4-adrenergic receptor gene, complete cds.//0.0057:361:60//U72648  
 F-NT2RP2001601//Homo sapiens mRNA for KIAA0797 protein, partial cds.//7.2e-137:647:98//AB018340  
 F-NT2RP2001613  
 F-NT2RP2001628//H.sapiens (xs128) mRNA, 380bp.//1.7e-15:279:68//Z36784
- 10 F-NT2RP2001634//Homo sapiens alpha-catenin-like protein (CTNNA1) mRNA, complete cds.//5.4e-123:606:96//AF030233  
 F-NT2RP2001660//Homo sapiens putative 13 S Golgi transport complex 90kD subunit brain-specific isoform mRNA, complete cds.//4.2e-144:687:97//AF058718  
 F-NT2RP2001663//H.sapiens mRNA for 2-phosphopyruvate-hydratase-alpha-enolase.//1.0e-36:372:74//X84907  
 F-NT2RP2001675//S.pombe chromosome I cosmid c2G11.//0.070:507:59//Z54354
- 15 F-NT2RP2001677//Mouse BAC CitbCJ7 219m7, genomic sequence, complete sequence.//2.0e-60:232:96//AC005259  
 F-NT2RP2001678//HS\_2007\_A2\_A04\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2007 Col=8 Row=A, genomic survey sequence.//7.3e-62:370:91//AQ269699  
 F-NT2RP2001699//RPC111-57B17.TK RPC111 Homo sapiens genomic clone R-57B17, genomic survey sequence.//0.99:141:63//AQ115592
- 20 F-NT2RP2001720//Homo sapiens PAC clone DJ0167F23 from 7p15, complete sequence.//9.4e-117:604:95//AC004079  
 F-NT2RP2001721//Homo sapiens DNA sequence from clone 466I8 on chromosome Xq11.1-13.2. Contains an unknown gene similar to Coagulation Factor V (Activated Protein C Cofactor), Coagulation Factor VIII (Procoagulant Component) and Ceruloplasmin (EC 1.16.3.1, Ferroxidase). Contains ESTs and an STS, complete sequence.//1.0:273:61//AL030998  
 F-NT2RP2001740//Homo sapiens Chromosome 22q11.2 Cosmid Clone 8c In DGCR Region, complete sequence.//1.0:356:62//AC000090
- 30 F-NT2RP2001748//Human mRNA for KIAA0003 gene, complete cds.//3.7e-18:151:86//D14697  
 F-NT2RP2001762//Homo sapiens chromosome 1, BAC CIT-HSP-292g8 (BC262482), complete sequence.//6.0e-145:715:97//AC004783  
 F-NT2RP2001813//Plasmodium falciparum chromosome 2, section 15 of 73 of the complete sequence.//0.38:340:60//AE001378
- 35 F-NT2RP2001839//HS\_3000\_B1\_C07\_MR CIT Approved Human Genomic Sperm Library D\_ Homo sapiens genomic clone Plate=3000 Col=13 Row=F, genomic survey sequence.//0.026:253:60//AQ090347  
 F-NT2RP2001861//Homo sapiens mRNA for paraplegin.//0.89:146:71//Y16610  
 F-NT2RP2001869//Homo sapiens ZNF202 beta (ZNF202) mRNA, complete cds.//0.040:174:62//AF027219  
 F-NT2RP2001876//Cyprinus carpio mRNA for allograft inflammatory factor-1, complete cds.//2.8e-44:483:71//AB012309
- 40 F-NT2RP2001883//Human DNA sequence from clone 612B18 on chromosome 1q24-25.3 Contains exon from gene similar to 40S ribosomal protein, first coding exon of dynamin 2 (DYNII). ESTs, STS, GSS, CpG Island, complete sequence.//1.8e-87:496:92//AL031864  
 F-NT2RP2001898//Human inositol polyphosphate 5-phosphatase (5ptase) mRNA, 3' end.//9.2e-112:633:90//M74161
- 45 F-NT2RP2001900//Caenorhabditis elegans DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone R08A5, WORKING DRAFT SEQUENCE.//0.0026:360:62//Z82281  
 F-NT2RP2001907//H.sapiens CpG island DNA genomic MseI fragment, clone 97f11, forward read cpg97f11.ft1a.//4.2e-26:206:84//Z64125
- 50 F-NT2RP2001926//Plasmodium falciparum 3D7 chromosome 12 PFYAC69 genomic sequence, WORKING DRAFT SEQUENCE, 4 unordered pieces.//5.5e-06:621:59//AC004688  
 F-NT2RP2001936//cSRL-47D9-u cSRL flow sorted Chromosome 11 specific cosmid Homo sapiens genomic clone cSRL-47D9, genomic survey sequence.//3.1e-50:282:93//B04856  
 F-NT2RP2001943//Drosophila melanogaster cosmid 25E8.//0.00036:248:60//AL009196
- 55 F-NT2RP2001946//Homo sapiens clone NH0140K04, complete sequence.//3.8e-78:232:99//AC005033  
 F-NT2RP2001947//Homo sapiens full-length insert cDNA clone ZD81B04.//2.0e-28:172:94//AF086442  
 F-NT2RP2001969//H.sapiens CpG island DNA genomic MseI fragment, clone 152a8, reverse read cpg152a8.rt1a.//1.0e-20:123:99//Z59378  
 F-NT2RP2001976

F-NT2RP2001985//Homo sapiens mRNA for KIAA0545 protein, partial cds.//0.0023:235:62//AB011117  
 F-NT2RP2001991//Rat orphan transporter v7-3 (NTT73) mRNA, complete cds.//3.1e-35:180:80//L22022  
 F-NT2RP2002025//Homo sapiens mRNA for KIAA0756 protein, partial cds.//9.8e-61:314:97//AB018299  
 F-NT2RP2002032//Homo sapiens chromosome 5, Bac clone 5m9 (LBNL H220), complete sequence.//0.76:189:  
 5 65//AC005895  
 F-NT2RP2002033//Homo sapiens clone DJ0292L20, WORKING DRAFT SEQUENCE, 2 unordered pieces.//2.9e-  
 12:160:79//AC004825  
 F-NT2RP2002041//Human BAC clone RG035E18 from 7q31, complete sequence.//0.0014:123:73//AC004029  
 F-NT2RP2002046//Homo sapiens Xp22 BAC GSHB-184P14 (Genome Systems Human BAC library) complete  
 10 sequence.//2.2e-86:722:77//AC004552  
 F-NT2RP2002047//Human DNA sequence from clone 21F7 on chromosome 6q16.1-21. Contains part of an exon  
 of a putative new gene and STSs and GSSs, complete sequence.//0.13:350:61//AL033375  
 F-NT2RP2002058//S.cerevisiae chromosome XII reading frame ORF YLR129w.//9.7e-11:480:60//Z73301  
 F-NT2RP2002066//Rattus norvegicus transmembrane receptor Unc5H2 mRNA, complete cds.//6.5e-97:610:86//  
 15 U87306  
 F-NT2RP2002070//beta -ADD=adducin beta subunit 63 kda isoform/membrane skeleton protein, beta -ADD=ad-  
 ducin beta subunit 63 kda isoform/membrane skeleton protein {alternatively spliced, exon 10 to 13 region} [human,  
 Genomic, 1851 nt, segment 3 of 3].//0.0059:107:73//S81083  
 F-NT2RP2002076//Homo sapiens clone 24804 mRNA sequence.//1.0e-127:643:96//AF052183  
 F-NT2RP2002078//F12O16-T7.1 IGF Arabidopsis thaliana genomic clone F12016, genomic survey sequence.//  
 20 0.14:191:64//AQ249805  
 F-NT2RP2002079//Homo sapiens clone DJ0892G19, complete sequence.//0.0094:325:60//AC004917  
 F-NT2RP2002099//Homo sapiens mRNA for E1B-55kDa-associated protein.//9.8e-111:533:97//AJ007509  
 F-NT2RP2002105//H.sapiens CpG island DNA genomic MseI fragment, clone 10h8, forward read cpg10h8.ft1a.//  
 25 2.4e-29:178:94//Z58857  
 F-NT2RP2002124//CIT-HSP-2023E9.TF CIT-HSP Homo sapiens genomic clone 2023E9, genomic survey se-  
 quence.//2.5e-32:202:92//B64468  
 F-NT2RP2002137//Human plasma membrane calcium ATPase (hPMCA4) mRNA, complete cds.//0.095:319:59//  
 M25874  
 F-NT2RP2002154//Mus musculus mRNA for myosin, complete cds.//1.0:258:63//D85923  
 F-NT2RP2002172//HS\_3020\_B1\_H02\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3020 Col=3 Row=P, genomic survey sequence.//1.2e-11:124:82//AQ093169  
 F-NT2RP2002185//RPC111-67B15.TJ RPC111 Homo sapiens genomic clone R-67B15, genomic survey se-  
 quence.//2.8e-18:109:100//AQ201833  
 F-NT2RP2002192//Human PM-Scl-75 autoantigen (PM-scl1) mRNA, complete cds.//2.7e-36:363:78//U09215  
 F-NT2RP2002193//Rattus norvegicus potassium channel regulatory protein KChAP mRNA, complete cds.//9.5e-  
 82:477:89//AF032872  
 F-NT2RP2002208  
 F-NT2RP2002219//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from MAL4P1, WORKING  
 40 DRAFT SEQUENCE.//1.0:378:58//AL034557  
 F-NT2RP2002231//Plasmodium falciparum 3D7 chromosome 12 PFYAC492 genomic sequence, WORKING  
 DRAFT SEQUENCE, 5 unordered pieces.//0.60:560:56//AC005308  
 F-NT2RP2002235//P.falciparum glutamic acid-rich protein gnen, complete cds.//0.59:341:60//J03998  
 F-NT2RP2002252//Mus musculus mSin3A (sin3A) mRNA, complete cds.//3.5e-81:398:87//U22394  
 F-NT2RP2002256//Homo sapiens retinoic acid hydroxylase mRNA, complete cds.//6.6e-50:315:89//AF005418  
 F-NT2RP2002259//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 118J21, WORKING  
 DRAFT SEQUENCE.//9.7e-67:340:89//AL033527  
 F-NT2RP2002270//RPC111-77C23.TV RPC111 Homo sapiens genomic clone R-77C23, genomic survey se-  
 quence.//2.9e-18:79:93//AQ268098  
 F-NT2RP2002292//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 321D2, WORKING  
 50 DRAFT SEQUENCE.//1.0:290:60//AL031033  
 F-NT2RP2002312//Homo sapiens CDP-diacylglycerol synthase 2 (CDS2) mRNA, partial cds.//1.5e-93:467:96//  
 AF069532  
 F-NT2RP2002316//HS\_2171\_B2\_D11\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=2171 Col=22 Row=H, genomic survey sequence.//7.3e-94:463:97//AQ119673  
 F-NT2RP2002325//Homo sapiens mRNA for Pex11p, complete cds.//3.9e-123:640:95//AB015594  
 F-NT2RP2002333  
 F-NT2RP2002373//F.rubripes GSS sequence, clone 026F10aB8, genomic survey sequence.//0.46:234:61//

- Z87330  
 F-NT2RP2002385//Homo sapiens synaptic glycoprotein SC2 spliced variant mRNA, complete cds //9.4e-138:673:97//AF038958  
 F-NT2RP2002394//P.falciparum complete gene map of plastid-like DNA (IR-A) //0.79:421:56//X95275  
 5 F-NT2RP2002408//F.rubripes GSS sequence, clone 080G11aA8, genomic survey sequence //5.7e-15:220:71//AL015615  
 F-NT2RP2002426//Sus scrofa SCAMP1 gene, exon 9 //7.1e-71:582:80//AJ223742  
 F-NT2RP2002439//Caenorhabditis elegans cosmid T07D3 //0.0018:210:67//AF016682  
 F-NT2RP2002442//Caenorhabditis elegans cosmid T03F1 //2.8e-18:295:67//U88169  
 10 F-NT2RP2002457//Homo sapiens Chromosome 16 BAC clone CIT987SK-44M2, complete sequence //1.9e-06:281:66//AC004381  
 F-NT2RP2002464//Human mRNA for KIAA0086 gene, complete cds //0.039:207:63//D42045  
 F-NT2RP2002475  
 F-NT2RP2002479//Homo sapiens mRNA for ABC transporter 7 protein, complete cds //2.4e-123:607:96//AB005289  
 15 F-NT2RP2002498//Arabidopsis thaliana BAC F3D13 //0.73:395:57//AF069300  
 F-NT2RP2002503//Homo sapiens, clone hRPK.15\_A\_1, complete sequence //7.2e-18:134:90//AC006213  
 F-NT2RP2002504//Homo sapiens mRNA for KIAA0791 protein, complete cds //1.2e-157:761:97//AB018334  
 F-NT2RP2002520  
 20 F-NT2RP2002537  
 F-NT2RP2002546//Homo sapiens Chromosome 11q12 pac pDJ741n15, WORKING DRAFT SEQUENCE, 7 unordered pieces //0.83:252:60//AC004127  
 F-NT2RP2002549//Human Chromosome 15q26.1 PAC clone pDJ457j11 containing DNA polymerase gamma (polg) gene, complete sequence //5.9e-93:186:99//AC005317  
 25 F-NT2RP2002591//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 54B20, WORKING DRAFT SEQUENCE //4.0e-38:175:78//Z98304  
 F-NT2RP2002595//Sequence 2 from patent US 5763220 //1.5e-84:430:95//AR012155  
 F-NT2RP2002606//Rattus norvegicus Rabin3 mRNA, complete cds //1.9e-43:282:87//U19181  
 F-NT2RP2002609//Mus musculus defender against death 1 (DAD1) gene, partial cds //1.5e-11:99:90//AF051310  
 30 F-NT2RP2002618//H.sapiens mRNA for arginine methyltransferase, splice variant, 1316 bp //5.6e-27:460:63//Y10806  
 F-NT2RP2002621  
 F-NT2RP2002643//Rat calmodulin III gene for calmodulin, promoter region and exon 1 //0.023:322:60//D90397  
 F-NT2RP2002672//Homo sapiens chromosome 10 clone CIT-HSP-1326H7 map 10q24.3-10q25.1, complete sequence //3.9e-149:794:94//AC005384  
 35 F-NT2RP2002701//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 50O24, WORKING DRAFT SEQUENCE //9.2e-10:129:75//AL034380  
 F-NT2RP2002706//S.griseus secA gene //1.3e-05:311:63//Y10980  
 F-NT2RP2002710//Homo sapiens mRNA for KIAA0672 protein, complete cds //2.5e-40:631:65//AB014572  
 40 F-NT2RP2002727//Rattus norvegicus tulip 2 mRNA, complete cds //4.8e-65:600:73//AF041107  
 F-NT2RP2002736//S.pombe chromosome II cosmid c887 //0.17:352:58//AL033388  
 F-NT2RP2002740//Absidia glauca ORF, 3' end; (+) mating type surface protein (PSSP15) gene, complete cds; ORF, 5' end //0.0073:274:66//M94861  
 F-NT2RP2002741//Homo sapiens mRNA for Neuroblastoma, complete cds //7.5e-29:628:62//D89016  
 45 F-NT2RP2002750//Homo sapiens Xp22 Bins 35-37 BAC GSHB-214D18 (Genome Systems Human BAC Library) complete sequence //3.6e-31:568:67//AC005296  
 F-NT2RP2002752//Human BAC clone RG317M02 from 7p15-p21, complete sequence //1.7e-08:206:63//AC002433  
 F-NT2RP2002753//Human DNA sequence from cosmid B11B7 on chromosome 22 contains ESTs //2.8e-71:195:89//Z82171  
 50 F-NT2RP2002769//Streptomyces fradiae ty lactone synthase, starter module and modules 1-7, (tylG) gene, complete cds //0.0016:412:60//U78289  
 F-NT2RP2002778//CIT-HSP-2059C5.TF CIT-HSP Homo sapiens genomic clone 2059C5, genomic survey sequence //6.8e-18:186:79//B69837  
 55 F-NT2RP2002800  
 F-NT2RP2002839//Homo sapiens Chromosome 11q12.2 PAC clone pDJ688p12 containing uteroglobin gene, WORKING DRAFT SEQUENCE, 11 unordered pieces //1.2e-41:134:94//AC006078  
 F-NT2RP2002857//Rat T-cell receptor active beta-chain V-region (V-beta6-J-beta2.5) mRNA, partial cds, clone

TRB-4//0.85:93:68//M18845  
 F-NT2RP2002862//HS\_3084\_A1\_H03\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3084 Col=5 Row=O, genomic survey sequence//5.0e-67:390:91//AQ186344  
 F-NT2RP2002880  
 5 F-NT2RP2002891//CIT-HSP-2310O14.TF CIT-HSP Homo sapiens genomic clone 2310O14, genomic survey se-  
 quence//0.11:53:90//AQ019792  
 F-NT2RP2002925//Pig mRNA for carbonyl reductase, complete cds//0.66:194:65//D16511  
 F-NT2RP2002928//Homo sapiens pre-mRNA splicing factor (PRP17) mRNA, complete cds//2.3e-135:628:99//  
 AF038392  
 10 F-NT2RP2002929//F.rubripes GSS sequence, clone 123I23aA1, genomic survey sequence//3.9e-06:66:83//  
 AL017246  
 F-NT2RP2002939  
 F-NT2RP2002954  
 F-NT2RP2002959//Mus musculus ubiquitin conjugating enzyme (ubc4) mRNA, complete cds//1.3e-47:411:79//  
 U62483  
 15 F-NT2RP2002979//CIT-HSP-2340D12.TF CIT-HSP Homo sapiens genomic clone 2340D12, genomic survey se-  
 quence//4.6e-96:476:97//AQ057233  
 F-NT2RP2002980//Sequence 20 from Patent EP0705842//4.0e-13:100:94//A52230  
 F-NT2RP2002986//Homo sapiens actin binding protein MAYVEN mRNA, complete cds//2.4e-09:272:61//  
 AF059569  
 20 F-NT2RP2002987//Homo sapiens (subclone 6\_d9 from P1 H21) DNA sequence, complete sequence//1.0e-22:  
 293:67//AC000958  
 F-NT2RP2002993//Rattus norvegicus RNA polymerase I 127 kDa subunit mRNA, complete cds//4.0e-74:502:84//  
 AF025424  
 25 F-NT2RP2003000//Homo sapiens chromosome 12p13.3, WORKING DRAFT SEQUENCE, 21 unordered pieces//  
 2.3e-46:474:76//AC004765  
 F-NT2RP2003034//Homo sapiens chromosome 17, clone hRPK.849\_N\_15, complete sequence//4.2e-23:202:  
 82//AC005703  
 F-NT2RP2003073//Human DNA sequence from PAC 306D1 on chromosome X contains ESTs//3.4e-59:330:82//  
 Z83822  
 30 F-NT2RP2003099//HS\_3008\_B2\_C09\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3008 Col=18 Row=F, genomic survey sequence//1.4e-71:362:96//AQ089786  
 F-NT2RP2003108//Sequence 59 from patent US 5773577//0.95:123:69//AR014362  
 F-NT2RP2003117//HS\_2034\_B2\_D12\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 35 nomic clone Plate=2034 Col=24 Row=H, genomic survey sequence//1.5e-88:461:96//AQ230797  
 F-NT2RP2003121//Mus musculus enhancer of polycomb (Epc1) mRNA, complete cds//4.3e-46:470:72//  
 AF079765  
 F-NT2RP2003125//Homo sapiens chromosome 19, cosmid R34382, complete sequence//5.7e-10:436:61//  
 AC005329  
 40 F-NT2RP2003129//P.thunbergii cab gene//0.00044:541:60//X61915  
 F-NT2RP2003137//CIT-HSP-2300J6.TR CIT-HSP Homo sapiens genomic clone 2300J6, genomic survey se-  
 quence//5.0e-78:393:97//AQ012976  
 F-NT2RP2003157//Human DNA sequence from cDNA 16pHQG;16 from chromosome 16p13.3//5.4e-07:137:71//  
 Z84716  
 45 F-NT2RP2003158//Homo sapiens mRNA for proteasome subunit p58, complete cds//1.8e-111:581:93//D67025  
 F-NT2RP2003161//CITBI-E1-2506E20.TR CITBI-E1 Homo sapiens genomic clone 2506E20, genomic survey se-  
 quence//0.0025:156:67//AQ262657  
 F-NT2RP2003164  
 F-NT2RP2003165//Human hereditary haemochromatosis region, histone 2A-like protein gene, hereditary haemo-  
 50 chromatosi (HLA-H) gene, RoRet gene, and sodium phosphate transporter (NPT3) gene, complete cds//1.4e-  
 43:334:79//U91328  
 F-NT2RP2003177//Human signaling inositol polyphosphate 5 phosphatase SIP-110 mRNA, complete cds//0.91:  
 346:62//U50040  
 F-NT2RP2003194//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 996D20, WORKING  
 55 DRAFT SEQUENCE//1.7e-108:511:90//AL031597  
 F-NT2RP2003206  
 F-NT2RP2003228//H.sapiens P1-Cdc21 mRNA//2.9e-136:726:93//X74794  
 F-NT2RP2003230//Rattus norvegicus endo-alpha-D-mannosidase (Enman) mRNA, complete cds//2.6e-51:348:

86//AF023657  
 F-NT2RP2003237//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 126A5, WORKING DRAFT SEQUENCE.//2.6e-56:415:83//AL031447  
 F-NT2RP2003243//RPC111-36J1.TP RPC1-11 Homo sapiens genomic clone RPC1-11-36J1, genomic survey sequence.//2.1e-16:112:93//AQ047107  
 5 F-NT2RP2003265//Muridae sp. (mouse-rat, neuroblastoma-glioma hybrid cell line NGD5) mRNA, complete cds.//6.0e-114:696:87//L38481  
 F-NT2RP2003272//RPC111-67B15.TJ RPC111 Homo sapiens genomic clone R-67B15, genomic survey sequence.//3.8e-16:110:94//AQ201833  
 10 F-NT2RP2003277//Homo sapiens mRNA for KIAA0625 protein, partial cds.//1.5e-145:714:96//AB014525  
 F-NT2RP2003280//RPC111-14I2.TVB RPC1-11 Homo sapiens genomic clone RPC1-11-14I2, genomic survey sequence.//6.4e-77:400:95//B85286  
 F-NT2RP2003286//CIT-HSP-2336D3.TF CIT-HSP Homo sapiens genomic clone 2336D3, genomic survey sequence.//5.3e-29:287:73//AQ041024  
 15 F-NT2RP2003293//Homo sapiens DNA from chromosome 19, BAC 33152, complete sequence.//1.5e-54:508:74//AC003973  
 F-NT2RP2003295//Homo sapiens RMP mRNA for RPB5 meidating protein, complete cds.//6.1e-85:416:97//AB006572  
 F-NT2RP2003297//S.pombe pho2 gene for specific p-nitrophenylphosphatase.//0.60:309:64//X62722  
 20 F-NT2RP2003307//Mus musculus kinesin light chain 2 (Klc2) mRNA, complete cds.//1.0e-45:442:75//AF055666  
 F-NT2RP2003308//D.melanogaster crn mRNA.//1.1e-63:697:70//X58374  
 F-NT2RP2003329//Homo sapiens chromosome 17, clone hCIT.131\_K\_11, complete sequence.//0.040:145:64//AC005288  
 F-NT2RP2003339  
 25 F-NT2RP2003347//Plasmodium falciparum MAL3P7, complete sequence.//0.12:275:60//AL034559  
 F-NT2RP2003367//Homo sapiens chromosome 4 clone B368A9 map 4q25, complete sequence.//0.83:225:63//AC005510  
 F-NT2RP2003391  
 F-NT2RP2003393//HS\_3218\_A2\_B09\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3218 Col=18 Row=C, genomic survey sequence.//0.021:93:79//AQ204356  
 30 F-NT2RP2003394  
 F-NT2RP2003401  
 F-NT2RP2003433//Rattus rattus sec61 homologue mRNA, complete cds.//4.2e-61:533:75//M96630  
 F-NT2RP2003445//Homo sapiens genomic DNA, chromosome 21q11.1, segment 1/5, WORKING DRAFT SE-  
 35 QUENCE.//2.1e-49:301:72//AP000023  
 F-NT2RP2003446  
 F-NT2RP2003456//Rickettsia prowazekii strain Madrid E, complete genome; segment 3/4.//0.0018:366:60//AJ235272  
 F-NT2RP2003466//Homo sapiens chromosome 11, BAC CIT-HSP-311e8 (BC269730) containing the hFEN1 gene, complete sequence.//7.5e-16:189:68//AC004770  
 40 F-NT2RP2003480//Mouse interleukin 2 receptor (p55 IL-2R) mRNA, 5' end.//1.9e-25:197:85//M21977  
 F-NT2RP2003499 2.1e-08:408:61//AB000826  
 F-NT2RP2003506//Homo sapiens clone NH0479C13, WORKING DRAFT SEQUENCE, 12 unordered pieces.//1.9e-33:192:96//AC005236  
 45 F-NT2RP2003511//Ceratopteris richardii mRNA for CRHB11, partial cds.//1.0:328:60//AB013801  
 F-NT2RP2003513//Human mRNA for KIAA0270 gene, partial cds.//7.3e-76:403:93//D87460  
 F-NT2RP2003517//Human osteosarcoma cell line U-2 OS mRNA fragment for PDGF-B chain (PDGF= platelet-derived growth factor).//1.5e-24:151:95//X03702  
 F-NT2RP2003522//Mouse interleukin 2 receptor (p55 IL-2R) mRNA, 5' end.//1.3e-101:564:91//M21977  
 50 F-NT2RP2003533//Human DNA sequence from cosmid F1121 on chromosome 6.//2.0e-40:315:75//Z80899  
 F-NT2RP2003543  
 F-NT2RP2003559//H.sapiens CpG island DNA genomic Mse1 fragment, clone 90a5, reverse read cpg90a5.rt1a.//1.1e-20:122:99//Z56144  
 F-NT2RP2003564//Human 52-kD ribonucleoprotein Ro/SSA mRNA, complete cds.//8.8e-27:664:63//M34551  
 55 F-NT2RP2003567//Homo sapiens mRNA for KIAA0462 protein, partial cds.//4.1e-113:541:98//AB007931  
 F-NT2RP2003581  
 F-NT2RP2003596//F.rubripes GSS sequence, clone 036L10aF12, genomic survey sequence.//J1.9e-11:210:65//AL012756



- F-NT2RP2003604//Homo sapiens alpha-catenin-like protein (CTNNA1) mRNA, complete cds//1.9e-123:587:98//AF030233
- F-NT2RP2003629
- 5 F-NT2RP2003643//Mus musculus mRNA for CMP-N-acetylneuraminic acid synthetase//7.8e-88:582:84//AJ006215
- F-NT2RP2003668//Homo sapiens clone RG270D13, WORKING DRAFT SEQUENCE, 18 unordered pieces//5.6e-47:335:83//AC005081
- F-NT2RP2003687//Homo sapiens Xp22 BAC GSHB-519E5 (Genome Systems Human BAC library) complete sequence//1.2e-06:133:74//AC003684
- 10 F-NT2RP2003691//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 525L6, WORKING DRAFT SEQUENCE//1.7e-47:337:81//AL023807
- F-NT2RP2003702//Rattus norvegicus ovarian-specific protein mRNA, complete cds//1.3e-65:458:82//U44803
- F-NT2RP2003704//H.sapiens CpG island DNA genomic MseI fragment, clone 2a9, reverse read cpg2a9.rt1e//3.8e-17:170:84//Z60615
- 15 F-NT2RP2003706//Homo sapiens mRNA for KIAA0525 protein, partial cds//2.6e-108:518:98//AB011097
- F-NT2RP2003713//HS\_2016\_B1\_B05\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2016 Col=9 Row=D, genomic survey sequence//1.3e-11:102:90//AQ226895
- F-NT2RP2003714//Homo sapiens DNA from chromosome 19, BAC 33152, complete sequence//1.4e-27:249:78//AC003973
- 20 F-NT2RP2003727//RPC11-77119.TV RPC11 Homo sapiens genomic clone R-77119, genomic survey sequence//3.4e-26:294:74//AQ268303
- F-NT2RP2003737//Homo sapiens clone DJ1022114, WORKING DRAFT SEQUENCE, 14 unordered pieces//2.6e-74:194:91//AC004951
- F-NT2RP2003751//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-911E12, complete sequence//1.7e-92:165:96//AC003964
- 25 F-NT2RP2003760//B.primigenius mRNA for coat protein gamma-cop//4.5e-76:696:73//X92987
- F-NT2RP2003764//Homo sapiens gene for MTG16, exon 1b, partial sequence//1.0:109:69//AB013275
- F-NT2RP2003769
- F-NT2RP2003770//Homo sapiens chromosome 17, clone hRPC.1050\_D\_4, complete sequence//3.0e-96:467:98//AC004771
- 30 F-NT2RP2003777
- F-NT2RP2003781//tricarboxylate carrier [rats, liver, mRNA Partial, 2986 nt]//7.2e-107:731:82//S70011
- F-NT2RP2003793//CIT-HSP-2326L12.TF CIT-HSP Homo sapiens genomic clone 2326L12, genomic survey sequence//7.0e-20:124:95//AQ038761
- 35 F-NT2RP2003825//Homo sapiens BAC clone RG139P11 from 7q11-q21, complete sequence//8.9e-06:151:74//AC004491
- F-NT2RP2003840//Arabidopsis thaliana chromosome II BAC F12A24 genomic sequence, complete sequence//0.018:145:69//AC005167
- F-NT2RP2003857//HS\_3227\_A2\_G04\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3227 Col=8 Row=M, genomic survey sequence//0.96:257:61//AQ303467
- 40 F-NT2RP2003859
- F-NT2RP2003871//Homo sapiens 12q24 PAC RPC11-74B13 (Roswell Park Cancer Institute Human PAC library) complete sequence//2.0e-12:369:65//AC002375
- F-NT2RP2003885//CITBI-E1-2514D6.TF CITBI-E1 Homo sapiens genomic clone 2514D6, genomic survey sequence//0.13:167:64//AQ265722
- 45 F-NT2RP2003912//nek1=serine/threonine- and tyrosine-specific protein kinase [mice, erythroleukemia cells, mRNA, 4263 nt]//1.3e-136:838:86//S45828
- F-NT2RP2003952
- F-NT2RP2003968//Homo sapiens hUBP mRNA for ubiquitin specific protease, complete cds//2.1e-28:165:96//AB014458
- 50 F-NT2RP2003976//Human DNA sequence from clone 283E3 on chromosome 1p36.21-36.33. Contains the alternatively spliced gene for Matrix Metalloproteinase in the Female Reproductive tract MIFR1, -2, MMP21/22A, -B and -C, a novel gene, the alternatively spliced CDC2L2 gene for Cell Division Cycle 2-Like 2 (PITSLRE, p58/GTA, Galactosyltransferase Associated Protein Kinase) beta 1, beta 2-1, beta 2-2 and alpha 2-4, a 40S Ribosomal Protein S7 pseudogene, part of the KIAA0447 gene, a novel alternatively spliced gene similar to many (archae)
- 55 bacterial, worm and yeast hypothetical genes, and the GNB1 gene for Guanine Nucleotide Binding Protein (G protein), Beta polypeptide 1 (Transducin Beta chain 1). Contains putative CpG islands, ESTs, STSs and GSSs, complete sequence//2.6e-24:298:74//AL031282

# EP 1 074 617 A2

F-NT2RP2003981//Homo sapiens mRNA for KIAA0804 protein, partial cds.//9.9e-160:783:96//AB018347  
F-NT2RP2003984  
F-NT2RP2003986//Human Chromosome 11 pac pDJ197h17, WORKING DRAFT SEQUENCE, 11 unordered pieces.//1.7e-26:260:77//AC000382  
5 F-NT2RP2003988//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 862K6, WORKING DRAFT SEQUENCE.//9.1e-61:701:70//AL031681  
F-NT2RP2004013//Human DNA sequence from clone 372K1 on chromosome 6q24 Contains EST, STS, GSS and CpG Island, complete sequence.//3.0e-123:693:91//AL023580  
F-NT2RP2004014  
10 F-NT2RP2004041//Homo sapiens chromosome 19, cosmid F17127, complete sequence.//5.8e-83:427:87//AC004780  
F-NT2RP2004042  
F-NT2RP2004066//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 134O19, WORKING DRAFT SEQUENCE.//5.6e-110:528:98//AL034555  
15 F-NT2RP2004081  
F-NT2RP2004098//HS\_2216\_A1\_B12\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2216 Col=23 Row=C, genomic survey sequence.//1.0e-07:86:84//AQ145694  
F-NT2RP2004124//HS\_3064\_B2\_A04\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3064 Col=8 Row=B, genomic survey sequence.//3.0e-25:155:94//AQ136993  
20 F-NT2RP2004142//Arabidopsis thaliana genomic DNA, chromosome 5, TAC clone: K8K14, complete sequence.//1.0:220:62//AB007645  
F-NT2RP2004152//Drosophila melanogaster DNA sequence (P1 DS02252 (D97)), complete sequence.//0.93:480:56//AC002493  
F-NT2RP2004165//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-420 genomic sequence, WORKING DRAFT SEQUENCE, 14 unordered pieces.//0.051:265:61//AC005140  
25 F-NT2RP2004170//Homo sapiens distal-less homeobox protein (DLX7) gene, complete cds.//1.0:162:66//AF028235  
F-NT2RP2004172//S.pombe chromosome II cosmid c24E9.//1.7e-06:466:59//AL021816  
F-NT2RP2004187//Homo sapiens full-length insert cDNA YQ86E07.//3.5e-17:354:64//AF075093  
30 F-NT2RP2004194//Rattus norvegicus Golgi SNARE GS15 mRNA, complete cds.//9.4e-53:397:82//AF003998  
F-NT2RP2004196  
F-NT2RP2004207//Human von Willebrand factor pseudogene corresponding to exons 23 through 34.//0.0023:386:61//M60676  
F-NT2RP2004226//HS\_2186\_A1\_D03\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2186 Col=5 Row=G, genomic survey sequence.//7.8e-58:370:87//AQ063813  
35 F-NT2RP2004232//H.sapiens mRNA for protein kinase C mu.//1.2e-34:448:67//X75756  
F-NT2RP2004239//Homo sapiens lok mRNA for protein kinase, complete cds.//5.2e-108:510:99//AB015718  
F-NT2RP2004240//Pyrococcus horikoshii OT3 genomic DNA, 1166001-1485000 nt. position (6/7).//1.1e-12:489:61//AP000006  
40 F-NT2RP2004242  
F-NT2RP2004245  
F-NT2RP2004270//Streptomyces coelicolor cosmid 1A9.//7.5e-07:462:62//AL034446  
F-NT2RP2004300//Homo sapiens chromosome 19, cosmid R33632, complete sequence.//3.5e-11:299:64//AC005781  
45 F-NT2RP2004316//Homo sapiens EXT-like protein 2 (EXTL2) mRNA, complete cds.//4.5e-150:735:97//AF000416  
F-NT2RP2004321//Drosophila melanogaster DNA sequence (P1 DS02110 (D147)), complete sequence.//0.98:267:59//AC004423  
F-NT2RP2004339//Human Chromosome 16 BAC clone CIT987SK-A-355G7, complete sequence.//1.6e-40:419:75//AC002519  
50 F-NT2RP2004347//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1018D12, WORKING DRAFT SEQUENCE.//1.2e-72:439:82//AL031650  
F-NT2RP2004364  
F-NT2RP2004365  
F-NT2RP2004366//Human DNA sequence from clone 612B18 on chromosome 1q24-25.3 Contains exon from gene similar to 40S ribosomal protein, first coding exon of dynamin 2 (DYNII). ESTs, STS, GSS, CpG Island, complete sequence.//0.92:427:57//AL031864  
55 F-NT2RP2004373//Homo sapiens cosmids Qc15C1 and 94B6 from Xq28, complete sequence.//2.6e-26:493:65//AF035397

F-NT2RP2004389//HS\_2183\_B2\_H04\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2183 Col=8 Row=P, genomic survey sequence.//2.9e-11:83:96//AQ063969  
 F-NT2RP2004392  
 F-NT2RP2004396//Homo sapiens BAC clone RG135C18 from 7q21, complete sequence.//1.1e-171:875:95//AC005164  
 F-NT2RP2004399//Homo sapiens SYBL1 gene.//1.4e-24:467:64//AJ004799  
 F-NT2RP2004400//Arabidopsis thaliana BAC T19B17 from chromosome IV, near 19.3 cM, complete sequence.//0.00074:455:59//AF069441  
 F-NT2RP2004412//H.sapiens CpG island DNA genomic Mse1 fragment, clone 34g4, reverse read cpg34g4.rt1a.//5.0e-27:154:98//Z65369  
 F-NT2RP2004425  
 F-NT2RP2004463//Streptomyces coelicolor cosmid 2E9.//0.0053:196:65//AL021530  
 F-NT2RP2004476//Drosophila melanogaster cosmid 67A9.//5.2e-15:377:63//AL034388  
 F-NT2RP2004490//Homo sapiens chromosome 16, P1 clone 94-10H (LANL), complete sequence.//4.3e-100:497:97//AC005591  
 F-NT2RP2004512//Plasmodium falciparum MAL3P5, complete sequence.//2.3e-07:815:57//AL034556  
 F-NT2RP2004523//Homo sapiens clone DJ0800G07, complete sequence.//8.5e-138:718:95//AC004890  
 F-NT2RP2004538//Homo sapiens mRNA for KIAA0591 protein, partial cds.//1.4e-137:687:96//AB011163  
 F-NT2RP2004551//CIT-HSP-2387G7.TF.1 CIT-HSP Homo sapiens genomic clone 2387G7, genomic survey sequence.//2.1e-85 :484:91//AQ239555  
 F-NT2RP2004568//H.vulgare GAA-satellite DNA.//2.0e-07:292:62//Z50100  
 F-NT2RP2004580//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 968D22, WORKING DRAFT SEQUENCE.//4.5e-44:512:72//AL023755  
 F-NT2RP2004587//Candida albicans cytoskeleton assembly control protein (SLA2) gene, partial cds.//1.0:344:56//AF092908  
 F-NT2RP2004594//nbxb0019H13r CUGI Rice BAC Library Oryza sativa genomic clone nbxb0019H13r, genomic survey sequence.//0.053:324:60//AQ258020  
 F-NT2RP2004600  
 F-NT2RP2004602//Homo sapiens chromosome 19, cosmid F21431, complete sequence.//0.12:109:73//AC005176  
 F-NT2RP2004614  
 F-NT2RP2004655//Homo sapiens mRNA for leucine rich protein.//2.6e-102:496:98//AJ006291  
 F-NT2RP2004664//Homo sapiens mRNA for KIAA0460 protein, partial cds.//1.6e-153:728:98//AB007929  
 F-NT2RP2004675//Homo sapiens chromosome 12q24.1, WORKING DRAFT SEQUENCE, 33 unordered pieces.//0.092:239:61//AC005805  
 F-NT2RP2004681//Human DNA sequence from clone 51J23 on chromosome Xq26.3-27.3. Contains an EST and GSSs, complete sequence.//1.0:236:61//AL031312  
 F-NT2RP2004689//Homo sapiens mRNA for KIAA0625 protein, partial cds.//1.3e-59:327:94//AB014525  
 F-NT2RP2004709//HS\_2033\_B2\_E04\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2033 Col=8 Row=J, genomic survey sequence.//1.9e-15:187:74//AQ230714  
 F-NT2RP2004710//HS\_3185\_82\_D07\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3185 Col=14 Row=H, genomic survey sequence.//9.9e-10:110:84//AQ172885  
 F-NT2RP2004736//Homo sapiens mRNA for KIAA0478 protein, complete cds.//6.4e-117:582:96//AB007947  
 F-NT2RP2004743//Human DNA sequence from PAC 37M17 chromosome X.//0.14:138:71//Z78022  
 F-NT2RP2004767//H.sapiens CpG island DNA genomic Mse1 fragment, clone 65c11, reverse read cpg65c11.rt1a.//1.3e-24:217:81//Z62210  
 F-NT2RP2004768//Homo sapiens STE20-like kinase 3 (mst-3) mRNA, complete cds.//1.6e-45:541:71//AF024636  
 F-NT2RP2004775//Plasmodium falciparum chromosome 2, section 35 of 73 of the complete sequence.//5.8e-13:697:59//AE001398  
 F-NT2RP2004791//Human HeLa mRNA isolated as a false positive in a two-hybrid screen.//5.0e-53:353:84//U56252  
 F-NT2RP2004799//Homo sapiens ATP-specific succinyl-CoA synthetase beta subunit (SCS) mRNA, partial cds.//1.5e-116:594:95//AF058953 F-NT2RP2004802  
 F-NT2RP2004816//Homo sapiens H beta 58 homolog mRNA, complete cds.//2.1e-101:495:97//AF054179  
 F-NT2RP2004841//Human DNA sequence from cosmid J138O17, between markers DXS6791 and DXS8038 on chromosome X contains EST CA repeat and an endogenous retroviral like element.//7.6e-82:531:84//Z72519  
 F-NT2RP2004861//Fugu rubripes GSS sequence, clone 040O17bA3, genomic survey sequence.//0.96:183:64//AL025645

- F-NT2RP2004897//Human Chromosome X clone bWXD187, complete sequence.//4.8e-142:710:96//AC004383  
 F-NT2RP2004933//Homo sapiens mRNA for ZIP-kinase, complete cds.//2.0e-82:418:95//AB007144  
 F-NT2RP2004936  
 F-NT2RP2004959//HS\_3197\_A2\_G11\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3197 Col=22 Row=M, genomic survey sequence.//3.5e-25:218:83//AQ150183  
 5 F-NT2RP2004961//Rattus norvegicus KRAB/zinc finger suppressor protein 1 (KS1) mRNA, complete cds.//2.5e-59:339:79//U56732  
 F-NT2RP2004962//Human hereditary haemochromatosis region, histone 2A-like protein gene, hereditary haemochromatosis (HLA-H) gene, RoRet gene, and sodium phosphate transporter (NPT3) gene, complete cds.//3.6e-19:187:72//U91328  
 10 F-NT2RP2004967//Plasmodium falciparum MAL3P6, complete sequence.//0.0020:297:61//Z98551  
 F-NT2RP2004978//Chlamydomonas reinhardtii VSP-3 mRNA, complete cds.//0.22:162:69//L29029  
 F-NT2RP2004982//F26D4-Sp6 IGF Arabidopsis thaliana genomic clone F26D4, genomic survey sequence.//0.13:273:61//B12642  
 15 F-NT2RP2004985//Human mRNA for KIAA0144 gene, complete cds.//1.5e-20:431:65//D63478  
 F-NT2RP2004999  
 F-NT2RP2005000//Rattus gene for beta-1 subunit of Na,K-ATPase.//0.019:240:63//X63375  
 F-NT2RP2005001//Homo sapiens mRNA for KIAA0615 protein, complete cds.//6.0e-159:782:97//AB014515  
 F-NT2RP2005003//H.sapiens Staf50 mRNA.//3.1e-42:430:75//X82200  
 20 F-NT2RP2005012//Homo sapiens SEC63 (SEC63) mRNA, complete cds.//1.4e-98:501:96//AF100141  
 F-NT2RP2005018//Homo sapiens PAC clone DJ0659J06 from 7q33-q35, complete sequence.//1.0:209:63//AC004849  
 F-NT2RP2005020  
 F-NT2RP2005022//Human Chromosome 3 pac pDJ70i11, WORKING DRAFT SEQUENCE, 2 unordered pieces.//3.0e-43:98:93//AC000380  
 25 F-NT2RP2005031//HS\_2052\_B2\_G10\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2052 Col=20 Row=N, genomic survey sequence.//0.019:363:61//AQ231464  
 F-NT2RP2005037//Human 3' of immunoglobulin heavy chain locus (IGHA2) gene.//0.70:174:65//U64454  
 F-NT2RP2005038//Homo sapiens chromosome 17, clone hRPK.74\_E\_22, complete sequence.//0.20:519:57//AC005696  
 30 F-NT2RP2005108  
 F-NT2RP2005116//Homo sapiens mRNA for KIAA0664 protein, partial cds.//2.0e-103:495:98//AB014564  
 F-NT2RP2005126//H.sapiens mRNA for RNA helicase (Myc-regulated dead box protein).//2.9e-27:157:98//X98743  
 35 F-NT2RP2005139//Amycolatopsis mediterranei genes encoding rifamycin polyketide synthases, ORFs 1 to 5.//0.00024:547:59//AJ223012  
 F-NT2RP2005140//Homo sapiens chromosome 21, Neurofibromatosis 1 (NF1) related locus, complete sequence.//0.95:191:62//AC004527  
 F-NT2RP2005144//Homo sapiens tubby like protein 3 (TULP3) mRNA, complete cds.//2.6e-89:447:96//AF045583  
 40 F-NT2RP2005147//HS\_3184\_A1\_E01\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3184 Col=1 Row=I, genomic survey sequence.//0.10:294:60//AQ252226  
 F-NT2RP2005159//H.sapiens CpG island DNA genomic MseI fragment, clone 132g6, forward read cpg132g6.ft1a.//1.1e-13:93:97//Z59162  
 F-NT2RP2005162//Caenorhabditis elegans cosmid F01F1.//2.6e-20:394:64//U13070  
 45 F-NT2RP2005168//Homo sapiens mRNA for E1B-55kDa-associated protein.//1.4e-125:633:96//AJ007509  
 F-NT2RP2005204//Arabidopsis thaliana ubiquitin activating enzyme (UBA1) gene, complete cds.//0.00016:316:60//U80808  
 F-NT2RP2005227//Homo sapiens PAC clone DJ0905J08 from 7p12-p14, complete sequence.//0.51:52:92//AC005189  
 50 F-NT2RP2005239//S.pombe chromosome II cosmid c21D10.//1.3e-22:356:67//AL031536  
 F-NT2RP2005254  
 F-NT2RP2005270//H.sapiens genomic DNA (chromosome 3; clone NL197R).//0.58:132:65//X87513  
 F-NT2RP2005276//Rat mRNA for brain acyl-CoA synthetase II, complete cds.//9.0e-103:656:85//D30666  
 F-NT2RP2005287//Cavia porcellus zinc finger protein (zfoC1) mRNA, complete cds.//3.4e-37:302:84//L26335  
 55 F-NT2RP2005288//Homo sapiens RCC1-like G exchanging factor RLG mRNA, complete cds.//7.1e-122:604:96//AF060219  
 F-NT2RP2005289//Homo sapiens mRNA for XRP2 protein.//4.0e-140:670:98//AJ007590  
 F-NT2RP2005293//HS\_3245\_B1\_E10\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-

nomic clone Plate=3245 Col=19 Row=J, genomic survey sequence.//8.2e-37:223:92//AQ217454  
 F-NT2RP2005315//Homo sapiens mRNA for KIAA0676 protein, partial cds.//1.1e-95:483:96//AB014576  
 F-NT2RP2005325//Human LIM-homeobox domain protein (hLH-2) mRNA, complete cds.//8.2e-22:166:90//  
 U11701  
 5 F-NT2RP2005336//Homo sapiens snRNA activating protein complex 190kD subunit (SNAP190) mRNA, complete  
 cds.//0.39:353:62//AF032387  
 F-NT2RP2005344//Homo sapiens mRNA for KIAA0566 protein, partial cds.//8.8e-29:456:66//AB011138  
 F-NT2RP2005354//Human DNA sequence from PAC 435C23 on chromosome X. Contains ESTs.//0.72:431:61//  
 Z92844  
 10 F-NT2RP2005358//Homo sapiens methyl-CpG binding protein MBD3 (MBD3) mRNA, complete cds.//4.7e-99:489:  
 96//AF072247  
 F-NT2RP2005360//Pan troglodytes huntingtin gene, partial exon.//0.93:105:67//L49358  
 F-NT2RP2005393//Rat parathyroid hormone receptor mRNA, complete cds.//2.4e-08:97:83//M77184  
 F-NT2RP2005407  
 15 F-NT2RP2005436//Homo sapiens chromosome 16, cosmid clone 2H2 (LANL), complete sequence.//0.014:235:  
 62//AC005346  
 F-NT2RP2005441//CIT-HSP-2338P5.TR CIT-HSP Homo sapiens genomic clone 2338P5, genomic survey se-  
 quence.//4.0e-107:532:97//AQ055548  
 F-NT2RP2005453//F21C16TFC IGF Arabidopsis thaliana genomic clone F21C16, genomic survey sequence.//  
 20 1.0:239:61//B97865  
 F-NT2RP2005457//B.taurus Cl-B14.5b mRNA for NADH dehydrogenase (ubiquinone).//4.7e-25:245:79//X68647  
 F-NT2RP2005464//Human DNA sequence from clone 836E8 on chromosome 20p12 Contains EST, CA repeat,  
 STS, GSS, retroviral sequence, complete sequence.//4.6e-111:724:86//AL031679  
 F-NT2RP2005465//Homo sapiens chromosome 19, BAC CIT-B-393i15 (BC301323), complete sequence.//6.5e-  
 25 18:152:75//AC006116  
 F-NT2RP2005472//Human DNA sequence from clone 1118D24 on chromosome 1p36.11-36.33. Contains part of  
 a novel gene similar to worm genes T08G11.1 and C25H3.9, part of a 60S Ribosomal Protein L10 LIKE (pseudo)  
 gene and two 3' exons of the TNFR2 gene for Tumor Necrosis Factor Receptor 2 (75 kD) (TNF Binding Protein 2,  
 TBPII, TNF-R2, CD120B, TNFR). Contains ESTs, STSs, GSSs, genomic marker D1S434 and a ca repeat poly-  
 30 morphism, complete sequence.//4.4e-12:89:97//AL031276  
 F-NT2RP2005476//Homo sapiens BAC clone RG293F17 from 7p15-p21, complete sequence.//4.3e-40:463:73//  
 AC004130  
 F-NT2RP2005490//Homo sapiens clone NH0001P09, WORKING DRAFT SEQUENCE, 1 unordered pieces.//  
 3.2e-115:228:99//AC006030  
 35 F-NT2RP2005491//HS\_2253\_A2\_G10\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=2253 Col=20 Row=M, genomic survey sequence.//4.6e-23:234:80//AQ116847  
 F-NT2RP2005495  
 F-NT2RP2005496//HS\_3064\_A1\_F08\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3064 Col=15 Row=K, genomic survey sequence.//5.3e-90:436:98//AQ143097  
 40 F-NT2RP2005498//Rabbit protein phosphatase 2A beta subunit mRNA, complete cds.//1.4e-63:503:78//M64931  
 F-NT2RP2005501//Homo sapiens chromosome 10 clone CIT987SK-1143A11 map 10q25, complete sequence.//  
 0.86:183:63//AC005880  
 F-NT2RP2005509//Homo sapiens cosmid LM1937 from Xq28.//1.0:160:65//U82695  
 F-NT2RP2005520//Homo sapiens chromosome-associated protein-E (hCAP-E) mRNA, complete cds.//3.9e-81:  
 45 444:92//AF092563  
 F-NT2RP2005525//Homo sapiens mRNA for KIAA0764 protein, complete cds.//6.9e-18:112:99//AB018307  
 F-NT2RP2005531//Human structural protein 4.1 mRNA, complete cds.//1.1e-06:282:60//M14993  
 F-NT2RP2005539//Homo sapiens mRNA for NS1-binding protein (NS1-BP).//2.9e-153:747:97//AJ012449  
 F-NT2RP2005540//Homo sapiens mRNA for KIAA0494 protein, complete cds.//5.9e-130:618:98//AB007963  
 50 F-NT2RP2005549//Mus musculus clone OST142, genomic survey sequence.//3.1e-43:277:89//AF046734  
 F-NT2RP2005555//HS\_2188\_A2\_D04\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=2188 Col=8 Row=G, genomic survey sequence.//8.0e-05:195:65//AQ086723  
 F-NT2RP2005557//Homo sapiens clone 486790 diphosphoinositol polyphosphate phosphohydrolase mRNA,  
 complete cds.//2.5e-44:473:71//AF062529  
 55 F-NT2RP2005581//Homo sapiens BAC clone GS180J15 from 7q31, complete sequence.//0.99:213:65//AC005016  
 F-NT2RP2005600//H.sapiens CpG island DNA genomic MseI fragment, clone 172d12, reverse read  
 cpg172d12.rt1a.//0.32:134:63//Z57359  
 F-NT2RP2005605

- F-NT2RP2005620//Homo sapiens epsin 2a mRNA, complete cds.//9.8e-91:447:97//AF062085  
 F-NT2RP2005622  
 F-NT2RP2005635//Saccharomyces cerevisiae chromosome VIII cosmid 9205.//8.6e-17:411:61//U10556  
 F-NT2RP2005637//NATI (NATI\*10)=acetyltransferase 1 [3' region, polyadenylation polymorphism] [human, unrel-  
 5 F-NT2RP2005640//Mouse U6 RNA gene.//5.5e-19:249:76//X06980  
 F-NT2RP2005645//HS\_2201\_B2\_D07\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=2201 Col=14 Row=H, genomic survey sequence.//0.30:159:65//AQ066763  
 F-NT2RP2005651//H.sapiens DNA sequence.//0.00037:150:66//Z22493  
 10 F-NT2RP2005654//Homo sapiens mRNA for KIAA0288 gene, complete cds.//4.7e-07:351:62//AB006626  
 F-NT2RP2005669//Homo sapiens KE05 protein mRNA, complete cds.//8.2e-98:472:98//AF064605  
 F-NT2RP2005675//Homo sapiens growth suppressor related (DOC-1R) mRNA, complete cds.//2.4e-94:462:98//  
 AF089814  
 F-NT2RP2005683//HS-1024-B1-H05-MF.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone  
 15 Plate=CT 803 Col=9 Row=P, genomic survey sequence.//0.99:156:64//B34405  
 F-NT2RP2005690//Human pyrroline 5-carboxylate reductase mRNA, complete cds.//7.7e-10:328:61//M77836  
 F-NT2RP2005694  
 F-NT2RP2005701//Homo sapiens 12p13.3 BAC RPCI11-288K12 (Roswell Park Cancer Institute Human BAC Li-  
 brary) complete sequence.//0.72:160:65//AC005183  
 20 F-NT2RP2005712//Homo sapiens mRNA for KIAA0799 protein, partial cds.//1.6e-124:599:97//AB018342  
 F-NT2RP2005719//R.norvegicus mRNA for metallothionein-III.//0.86:117:64//X89603  
 F-NT2RP2005722//Human zinc finger protein ZNF136.//2.6e-44:415:77//U09367  
 F-NT2RP2005723//Human BAC clone GS542D18 from 7q31-q32, complete sequence.//6.9e-15:153:81//  
 AC002528  
 25 F-NT2RP2005726//Homo sapiens clone DJ0577P23, WORKING DRAFT SEQUENCE, 28 unordered pieces.//  
 5.1e-41:138:95//AC005627  
 F-NT2RP2005732//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 291J10, WORKING  
 DRAFT SEQUENCE.//0.61:303:60//Z93017  
 F-NT2RP2005741//Homo sapiens PALM gene, exon 1 and joined CDS.//0.52:116:67//Y16270  
 30 F-NT2RP2005748//Human Kox11 mRNA for zinc finger protein, partial.//0.11:136:66//X52342  
 F-NT2RP2005752//Homo sapiens TNFR-related death receptor-6 (DR6) mRNA, complete cds.//7.8e-22:134:96//  
 AF068868  
 F-NT2RP2005753//Homo sapiens I-1 receptor candidate protein mRNA, complete cds.//1.2e-100:486:98//  
 AF082516  
 35 F-NT2RP2005763//Human mRNA for KIAA0111 gene, complete cds.//0.00073:425:56//D21853  
 F-NT2RP2005767//G.gallus PB1 gene.//2.1e-73:544:80//X90849  
 F-NT2RP2005773//Human pyrroline 5-carboxylate reductase mRNA, complete cds.//6.2e-15:153:82//M77836  
 F-NT2RP2005775//Sus scrofa mRNA for soluble angiotensin-binding protein, complete cds.//1.2e-121:649:88//  
 D11336  
 40 F-NT2RP2005781//Pseudomonas aeruginosa gene for MexX and MexY, complete cds.//0.96:184:60//AB015853  
 F-NT2RP2005784//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1185N5, WORKING  
 DRAFT SEQUENCE.//1.9e-63:222:96//AL034423  
 F-NT2RP2005804//Oryza sativa glycine-rich protein (OSGRP1) mRNA, complete cds.//2.6e-07:232:64//  
 AF010579  
 45 F-NT2RP2005812  
 F-NT2RP2005815//Streptomyces sp. gene for alkaline serine protease I.//0.031:358:59//X74103  
 F-NT2RP2005835//Rattus norvegicus mRNA for p47, complete cds.//2.5e-107:449:91//AB002086  
 F-NT2RP2005841//Human DNA sequence from cosmid U209G1 on chromosome X.//5.1e-05:144:73//Z68873  
 F-NT2RP2005853//RPCI11-24D4.TKBF RPCI-11 Homo sapiens genomic clone RPCI-11-24D4, genomic survey  
 50 sequence.//6.4e-13:130:85//AQ013490  
 F-NT2RP2005857//Homo sapiens chromosome-associated protein-C (hCAP-C) mRNA, partial cds.//1.7e-174:  
 829:98//AF092564  
 F-NT2RP2005859//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 914P20, WORKING  
 DRAFT SEQUENCE.//0.25:174:62//AL034553  
 55 F-NT2RP2005868//Fugu rubripes GSS sequence, clone 103124aF4, genomic survey sequence.//7.8e-06:92:79//  
 AL027276  
 F-NT2RP2005886//HS\_3187\_A2\_D08\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3187 Col=16 Row=G, genomic survey sequence.//7.1e-95:494:95//AQ155885

F-NT2RP2005890//Mouse oncogene (ect2) mRNA, complete cds.//2.7e-32:660:66//L11316  
 F-NT2RP2005901//H.sapiens CpG island DNA genomic MseI fragment, clone 15b5, reverse read cpg15b5.rt1a.//  
 0.0026:66:84//Z54729  
 F-NT2RP2005908//Homo sapiens 12q13.1 PAC RPCI3-197B17 (Roswell Park Cancer Institute Human PAC li-  
 5 brary) complete sequence.//6.4e-49:481:75//AC004241  
 F-NT2RP2005933//Rattus norvegicus nucleoporin p54 mRNA, complete cds.//6.6e-61:657:73//U63840  
 F-NT2RP2005942//H.sapiens PAP mRNA.//1.6e-46:618:67//X76770  
 F-NT2RP2005980//Homo sapiens chromosome 17, clone hRPC.1081\_P\_3, complete sequence.//1.0e-48:533:  
 71//AC005207  
 10 F-NT2RP2006023//HS\_3048\_A1\_A11\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3048 Col=21 Row=A, genomic survey sequence.//2.1e-25:167:91//AQ126553  
 F-NT2RP2006038//CIT-HSP-384K4.TR CIT-HSP Homo sapiens genomic clone 384K4, genomic survey se-  
 quence.//3.9e-06:102:74//B51912  
 F-NT2RP2006043//Human intercrine-alpha (hIRH) mRNA, complete cds.//1.9e-05:418:59//U19495  
 15 F-NT2RP2006052//Peromyscus polionotus ammobates dinucleotide microsatellite Ppa55.//0.0035:226:65//  
 AF016861  
 F-NT2RP2006069//Human HepG2 partial cDNA, clone hmd3g02m5.//3.9e-11:121:85//D17047  
 F-NT2RP2006071  
 F-NT2RP2006098//Homo sapiens chromosome 21q22.2, cosmid D13C2, complete sequence.//0.46:264:59//  
 20 AF027207  
 F-NT2RP2006100//Human Chromosome X, complete sequence.//3.2e-94:488:95//AC004073  
 F-NT2RP2006103//HS\_2254\_A2\_D02\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=2254 Col=4 Row=G, genomic survey sequence.//5.7e-27:156:96//AQ129602  
 F-NT2RP2006106//Human Chromosome 11 pac pDJ1173a5, complete sequence.//11.2e-62:655:71//AC000378  
 25 F-NT2RP2006141//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 537K23, WORKING  
 DRAFT SEQUENCE.//1.2e-69:316:98//AL034405  
 F-NT2RP2006166//Homo sapiens chromosome 4 clone B3218, complete sequence.//3.1e-45:387:81//AC004063  
 F-NT2RP2006184//Cricetulus griseus beta-1,6-N-acetylglucosaminyltransferase Lec4A cell line point mutant mR-  
 NA, complete cds.//0.99:111:73//U62587  
 30 F-NT2RP2006186//Homo Sapiens mRNA for KIAA0654 protein, partial cds.//7.8e-113:567:96//AB014554  
 F-NT2RP2006196//Homo sapiens clone DJ1189D06, complete sequence.//2.8e-28:718:62//AC005232  
 F-NT2RP2006200//Homo sapiens chromosome 12p13.3 clone RPCI1-96H9, WORKING DRAFT SEQUENCE, 66  
 unordered pieces.//6.5e-83:239:94//AC006057  
 F-NT2RP2006219//H.sapiens mRNA for DGCR6 protein.//1.4e-116:618:93//X96484  
 35 F-NT2RP2006237//CIT-HSP-2300P9.TR CIT-HSP Homo sapiens genomic clone 2300P9, genomic survey se-  
 quence.//2.0e-18:118:97//AQ012480  
 F-NT2RP2006238//Rattus norvegicus CTD-binding SR-like protein rA8 mRNA, complete cds.//7.6e-102:635:86//  
 U49055  
 F-NT2RP2006258//RPCI11-9N9.TP RPCI-11 Homo sapiens genomic clone RPCI-11-9N9, genomic survey se-  
 40 quence.//8.6e-05:181:63//B71615  
 F-NT2RP2006261//H.sapiens mRNA for serine/threonine protein kinase EMK.//0.44:111:71//X97630  
 F-NT2RP2006275//Pseudorabies virus UL[5,6,7,8,8.5,9,10,11,12,13] genes.//2.0e-05:501:59//X97257  
 F-NT2RP2006312//Homo sapiens BAF57 (BAF57) gene, complete cds.//2.7e-138:679:97//AF035262  
 F-NT2RP2006320//P.falciparum pfmdr1 gene.//0.00013:425:60//X56851  
 45 F-NT2RP2006321//Homo sapiens DNA from chromosome 19, BAC 33152, complete sequence.//4.1e-19:545:62//  
 AC003973  
 F-NT2RP2006323//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 745114, WORKING  
 DRAFT SEQUENCE.//8.9e-18:131:90//AL033532  
 F-NT2RP2006333//Homo sapiens PAC clone DJ0808A01 from 7q21.1-q31.1, complete sequence.//6.2e-125:602:  
 50 98//AC004893  
 F-NT2RP2006334//Homo sapiens chromosome 19, cosmid R27139, complete sequence.//2.1e-06:241:65//  
 AC005514  
 F-NT2RP2006365//Fugu rubripes GSS sequence, clone 171K15aC5, genomic survey sequence.//7.8e-06:148:  
 70//AL029590  
 55 F-NT2RP2006393//Human DNA sequence from clone 80119 on chromosome 6p21.31-22.2 Contains genes and  
 pseudogenes for olfactory receptor-like proteins, STS, GSS, complete sequence.//6.8e-06:167:70//AL022727  
 F-NT2RP2006436//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y313F4, WORKING  
 DRAFT SEQUENCE.//4.2e-92:363:84//AL023808

F-NT2RP2006441  
 F-NT2RP2006454//Sequence 8 from Patent WO9517522//2.9e-06:180:66//A45338  
 F-NT2RP2006456  
 F-NT2RP2006464//Homo sapiens mRNA for AND-1 protein//3.4e-148:545:98//AJ006266  
 5 F-NT2RP2006467//Sus scrofa IgM heavy chain gene, switch region and exons encoding ch1-ch4 and secretion domains, partial cds//0.061:201:66//U50149  
 F-NT2RP2006472  
 F-NT2RP2006534//Human DNA sequence from clone 272E8 on chromosome Xp22.13-22.31. Contains a pseudogene similar to MDM2-Like P53-binding protein gene. Contains STSs, GSSs and a CA repeat polymorphism, complete sequence//8.8e-10:273:66//Z93929  
 10 F-NT2RP2006554//Human DNA mismatch repair protein homolog (hMLH1) gene, exon 6//0.71:174:59//U40965  
 F-NT2RP2006565//Homo sapiens secretory carrier-associated membrane protein (SCAMP) mRNA, complete cds//6.6e-114:669:90//AF038966  
 F-NT2RP2006571//Rabbit cytochrome P-450 isozyme 2 (type B2) mRNA, complete cds, clone B2-1//6.0e-26:  
 15 503:63//M20855  
 F-NT2RP2006573//Molluscum contagiosum virus subtype 1, complete genome//0.44:134:71//U60315  
 F-NT2RP2006598//Human BRCA2 region, mRNA sequence CG033//5.0e-16:140:85//U50537  
 F-NT2RP3000002//\*\*\*ALU WARNING: Human Alu-Sc subfamily consensus sequence//3.8e-32:214:89//U14571  
 F-NT2RP3000031//Homo sapiens mRNA for histone deacetylase-like protein (JM21)//5.8e-136:637:98//  
 20 AJ011972  
 F-NT2RP3000046//Bovine herpesvirus type 1 early-intermediate transcription control protein (BICP4) gene, complete cds//5.4e-05:571:60//L14320  
 F-NT2RP3000047  
 F-NT2RP3000050//Figure 2. Nucleotide and translated protein sequences of HPF1, -2, and-9//1.0e-67:626:74//  
 25 M27877  
 F-NT2RP3000055//Genomic sequence from Human 9q34, complete sequence//3.5e-10:394:64//AC001227  
 F-NT2RP3000068  
 F-NT2RP3000072//Homo sapiens BAC clone RG290G13 from 7q21, complete sequence//1.0:301:61//AC004746  
 F-NT2RP3000080//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 102D24, WORKING  
 30 DRAFT SEQUENCE//1.9e-44:297:79//AL021391  
 F-NT2RP3000085//Arabidopsis thaliana 3-methylcrotonyl-CoA carboxylase precursor mRNA, complete cds//4.5e-33:528:65//U12536  
 F-NT2RP3000092//RPCI11-22M5.TV RPCI-11 Homo sapiens genomic clone RPCI-11-22M5, genomic survey sequence//3.3e-27:157:97//B84237  
 35 F-NT2RP3000109//Arabidopsis thaliana 1-amino-1-cyclopropanecarboxylate synthase (ACS5) gene, complete cds//0.92:185:64//L29260  
 F-NT2RP3000134//Homo sapiens PAC clone DJ0905J08 from 7p12-p14, complete sequence//1.2e-112:286:89//AC005189  
 F-NT2RP3000142//Homo sapiens mRNA for KIAA0592 protein, partial cds//9.0e-181:849:98//AB011164  
 40 F-NT2RP3000149//Homo sapiens chromosome 17, clone hRPK.264\_B\_14, complete sequence//4.2e-24:155:94//AC005884  
 F-NT2RP3000186//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 500L14, WORKING DRAFT SEQUENCE//7.2e-43:269:81//AL023583  
 F-NT2RP3000197//Homo sapiens interleukin 9 receptor (IL9R) pseudogene, exons 1-9//0.098:405:57//L39063  
 45 F-NT2RP3000207//Drosophila melanogaster DNA sequence (P1 DS00164 (D269)), complete sequence//0.96:608:55//AC004716  
 F-NT2RP3000220  
 F-NT2RP3000233//Homo sapiens actin binding protein MAYVEN mRNA, complete cds//2.0e-18:509:58//AF059569  
 50 F-NT2RP3000235//Mouse Cosmid ma53a016 from 14D1-D2, complete sequence//3.5e-05:224:65//AC004101  
 F-NT2RP3000247//Human mRNA for KIAA0218 gene, complete cds//2.1e-109:691:86//D86972  
 F-NT2RP3000251//Caenorhabditis elegans cosmid ZK930, complete sequence//0.20:119:68//Z70213  
 F-NT2RP3000252//Homo sapiens cosmid 1F1, complete sequence//9.8e-78:174:88//AF065393  
 F-NT2RP3000255  
 55 F-NT2RP3000267  
 F-NT2RP3000299//Mus musculus Crk-associated substrate (Cas-b) mRNA, complete cds//5.9e-48:374:82//U48853  
 F-NT2RP3000312//Fruit fly (D.melanogaster) Glued mRNA, complete cds//4.9e-22:583:63//J02932



- F-NT2RP3000320//RPCI11-36J1.TP RPCI-11 Homo sapiens genomic clone RPCI-11-36J1, genomic survey sequence.//4.4e-06:87:88//AQ047107
- F-NT2RP3000324//Rattus norvegicus potassium channel regulator 1 mRNA, complete cds.//5.5e-26:283:79//U78090
- 5 F-NT2RP3000333//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 973M2, WORKING DRAFT SEQUENCE.//1.0:309:60//AL033533
- F-NT2RP3000341//Homo sapiens DNA sequence from PAC 95C20 on chromosome Xp11.3-11.4. Contains STSs and the DXS7 locus with GT and GTG repeat polymorphisms, complete sequence.//6.7e-42:465:74//Z97181
- F-NT2RP3000348
- 10 F-NT2RP3000350//Homo sapiens cosmid 1F1, complete sequence.//3.4e-79:174:88//AF065393
- F-NT2RP3000359//Bovine mitochondrial GTP:AMP phosphotransferase mRNA, complete cds.//2.2e-127:816:85//M25757
- F-NT2RP3000361//Schizosaccharomyces pombe DNA for pre-mRNA splicing factor, complete cds.//0.0075:288:58//D83743
- 15 F-NT2RP3000366//Mus musculus ras-related protein (rab18) mRNA, complete cds.//7.1e-134:693:94//L04966
- F-NT2RP3000393//Rattus norvegicus mRNA for GABA-B R2 receptor.//0.049:308:60//AJ011318
- F-NT2RP3000397//S.cerevisiae chromosome VII reading frame ORF YGL120c.//0.00012:441:58//Z72642
- F-NT2RP3000403//Homo sapiens formin binding protein 21 mRNA, complete cds.//5.0e-174:841:97//AF071185
- F-NT2RP3000418//Homo sapiens chromosome 17, clone hRPK.1053\_B\_8, complete sequence.//7.9e-53:817:68//AC006083
- 20 F-NT2RP3000433//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 862K6, WORKING DRAFT SEQUENCE.//6.1e-31:590:63//AL031681
- F-NT2RP3000439//Fugu rubripes GSS sequence, clone 075E22aB10, genomic survey sequence.//4.0e-19:169:81//AL026471
- 25 F-NT2RP3000441//Human DNA sequence from PAC 93H18 on chromosome 6 contains ESTs heterochromatin protein HP1Hs-gamma pseudogene, STS and CpG island.//2.4e-41:459:65//Z84488
- F-NT2RP3000449//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1018D12, WORKING DRAFT SEQUENCE.//1.1e-100:365:87//AL031650
- F-NT2RP3000451//HS\_2024\_A1\_E10\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2024 Col=19 Row=I, genomic survey sequence.//0.011:367:57//AQ229420
- 30 F-NT2RP3000456//CIT-HSP-2338P5.TR CIT-HSP Homo sapiens genomic clone 2338P5, genomic survey sequence.//1.5e-89:458:96//AQ055548
- F-NT2RP3000484//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 90L6, WORKING DRAFT SEQUENCE.//0.043:147:70//Z97353
- 35 F-NT2RP3000487//H.sapiens CpG island DNA genomic MseI fragment, clone 11b11, forward read cpg11b11.ft1a.//1.7e-11:96:92//Z64440
- F-NT2RP3000512//Human HOX2G mRNA from the Hox2 locus.//9.7e-17:109:97//X16667
- F-NT2RP3000526//Homo sapiens full-length insert cDNA clone YZ38E04.//4.1e-30:283:76//AF086071
- F-NT2RP3000527//Human mRNA for KIAA0211 gene, complete cds.//2.5e-34:706:63//D86966
- 40 F-NT2RP3000531//Mus musculus immunosuperfamily protein B12 mRNA, complete cds.//1.9e-14:220:70//AF061260
- F-NT2RP3000542//Human Chromosome 11p11.2 PAC clone pDJ404m15, complete sequence.//0.00019:361:60//AC002554
- F-NT2RP3000561//Homo sapiens PAC clone DJ0942I16 from 7q11, complete sequence.//9.0e-171:827:98//AC006012
- 45 F-NT2RP3000562
- F-NT2RP3000578//F.rubripes GSS sequence, clone 013G07cE7, genomic survey sequence.//1.7e-25:284:74//AL011271
- F-NT2RP3000582//CIT978SK-A-56H4.TP CIT978SK Homo sapiens genomic clone A-56H4, genomic survey sequence.//5.8e-07:239:66//B73597
- 50 F-NT2RP3000584
- F-NT2RP3000590//H.sapiens CpG island DNA genomic MseI fragment, clone 170d7, forward read cpg170d7.ft1a.//3.0e-22:128:100//Z59723
- F-NT2RP3000592//CIT-HSP-2288J7.TR CIT-HSP Homo sapiens genomic clone 2288J7, genomic survey sequence.//2.2e-78:382:98//B98868
- 55 F-NT2RP3000596//CIT-HSP-2375J10.TR CIT-HSP Homo sapiens genomic clone 2375J10, genomic survey sequence.//0.00076:143:67//AQ109305
- F-NT2RP3000599//Caenorhabditis elegans cosmid T19B10, complete sequence.//1.2e-13:295:66//Z74043

- F-NT2RP3000603//Bovine herpesvirus type 1 early-intermediate transcription control protein (BICP4) gene, complete cds.//0.37:520:57//L14320
- F-NT2RP3000605//Homo sapiens chromosome 19, cosmid F20900, complete sequence.//8.8e-155:526:97//AC006128
- 5 F-NT2RP3000622//HS\_3213\_A2\_D02\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3213 Col=4 Row=G, genomic survey sequence.//4.1e-29:238:85//AQ175104
- F-NT2RP3000624//Homo sapiens clone DJ0800G07, complete sequence.//0.47:75:80//AC004890
- F-NT2RP3000628//Human DNA sequence from clone 581F12 on chromosome Xq21. Contains Eukaryotic Translation Initiation Factor EIF3 P35 Subunit and 60S Ribosomal protein L22 pseudogenes. Contains ESTs, complete sequence.//0.078:393:58//AL031313
- 10 F-NT2RP3000632//Human zinc finger protein zfp6 (ZF6) mRNA, partial cds.//1.4e-96:541:79//U71363
- F-NT2RP3000644//Homo sapiens clone RG315H11, WORKING DRAFT SEQUENCE, 5 unordered pieces.//5.2e-46:421:77//AC005089
- F-NT2RP3000661
- 15 F-NT2RP3000665//Human DNA sequence from clone 1191B2 on chromosome 22q13.2-13.3. Contains part of the BIK (NBK, BP4, BIP1) gene for BCL2-interacting killer (apoptosis-inducing), a 40S Ribosomal Protein S25 pseudogene and part of an alternatively spliced novel Acyl Transferase gene similar to C. elegans C50D2.7. Contains ESTs, STSs, GSSs, two putative CpG islands and genomic marker D22S1151, complete sequence.//1.7e-11:292:65//AL022237
- 20 F-NT2RP3000685//H.sapiens mRNA for novel protein.//2.4e-80:460:92//X99961
- F-NT2RP3000690//H.sapiens flow-sorted chromosome 6 TaqI fragment, SC6pA10F6.//1.0:141:65//Z77872
- F-NT2RP3000736//Human mRNA for KIAA0140 gene, complete cds.//6.1e-20:127:96//D50930
- F-NT2RP3000739//Rattus norvegicus golgi peripheral membrane protein p65 (GRASP65) mRNA, complete cds.//1.1e-46:622:67//AF015264
- 25 F-NT2RP3000742//Rattus norvegicus phospholipase C delta-4 mRNA, complete cds.//4.7e-37:429:70//U16655
- F-NT2RP3000753
- F-NT2RP3000759//Caenorhabditis elegans cosmid Y57G11C, complete sequence.//2.8e-38:519:69//Z99281
- F-NT2RP3000815//HS\_2237\_A2\_D12\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2237 Col=24 Row=G, genomic survey sequence.//0.79:151:61//AQ067252
- 30 F-NT2RP3000825//Campanula ramosa chloroplast NADH dehydrogenase (ndhF) gene, complete cds.//0.36:378:58//L39387
- F-NT2RP3000826//Suid herpesvirus 1 Kaplan glycoprotein L (UL1) and uracil-DNA glycosylase (UL2) genes, complete cds, and (UL3) gene, partial cds.//0.0025:291:62//U02513 F-NT2RP3000836//Mouse complement factor H-related protein mRNA, complete cds, clone 9C4.//0.69:563:57//M29009
- 35 F-NT2RP3000841//Human DNA sequence from PAC 121G13 on chromosome 6 contains flow sorted chromosome 6 HindIII fragment ESTs. polymorphic CA repeat, CpG island, CpG island genomic fragments.//2.1e-46:666:68//Z86062
- F-NT2RP3000845//Homo sapiens chromosome 19, cosmid R31237, complete sequence.//3.4e-92:193:93//AC005581
- 40 F-NT2RP3000847//Human HepG2 3' region cDNA, clone hmd5d02.//3.4e-32:261:81//D16938
- F-NT2RP3000850//Homo sapiens clone RG271G13, WORKING DRAFT SEQUENCE, 7 unordered pieces.//5.1e-44:358:81//AC005082
- F-NT2RP3000852//Homo sapiens DNA sequence from PAC 117P20 on chromosome 1q24. Contains the LNHR (SELL) gene coding for Lymph Node Homing Receptor (L-Selectin precursor, LAM-1 Leukocyte Adhesion Molecule, Leukocyte surface antigen Leu-8, TQ1, GP90-MEL, LECAM1 Leukocyte-Endothelial Cell Adhesion Molecule 1, CD62L). Contains the SELE gene coding for E-Selectin precursor (CD62E, ELAM-1 Endothelial Leukocyte Adhesion Molecule 1, LECAM-2 Leukocyte-Endothelial Cell Adhesion Molecule 2). Contains an unknown gene with homology to predicted yeast, plant and worm proteins. Contains ESTs and STSs, complete sequence.//4.4e-123:150:98//AL021940
- 50 F-NT2RP3000859//T19M2TF TAMU Arabidopsis thaliana genomic clone T19M2, genomic survey sequence.//0.016:185:65//B60831
- F-NT2RP3000865
- F-NT2RP3000868//Human ovarian cancer downregulated myosin heavy chain homolog (Doc1) mRNA, complete cds.//2.0e-29:766:60//U53445
- 55 F-NT2RP3000869//H.sapiens gene for plectin.//1.1e-12:700:60//Z54367
- F-NT2RP3000875//HS\_2236\_B1\_G10\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2236 Col=19 Row=N, genomic survey sequence.//0.98:153:68//AQ154007
- F-NT2RP3000901//Human herpesvirus 2 glycoprotein B precursor (UL27) gene, complete cds.//0.44:213:65//

AF021340  
 F-NT2RP3000904//Rat Na<sup>+</sup> channel mRNA, 3' end.//3.6e-106:505:99//M27223  
 F-NT2RP3000917//Mouse mRNA for Dhml protein, complete cds.//3.1e-132:691:93//D38517  
 F-NT2RP3000919//Rattus norvegicus golgi peripheral membrane protein p65 (GRASP65) mRNA, complete cds.//  
 5 3.2e-97:585:88//AF015264  
 F-NT2RP3000968//Human Chromosome 16 BAC clone CIT987SK-A-234F9, complete sequence.//5.8e-70:181:  
 89//U91326:  
 F-NT2RP3000980//R.norvegicus CYP3A1 gene, 5' flanking region.//6.1e-26:507:66//X98335  
 F-NT2RP3000994//HS-1049-B2-F03-MF.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone  
 10 Plate=CT 771 Col=6 Row=L, genomic survey sequence.//1.5e-22:128:100//B39529  
 F-NT2RP3001004//H.sapiens CpG island DNA genomic Mse1 fragment, clone 39c1, reverse read cpg39c1.rt1a./  
 15.9e-27:150:99//Z60925  
 F-NT2RP3001007//Homo sapiens clone NH0319F03, WORKING DRAFT SEQUENCE, 3 unordered pieces.//0.11:  
 610:57//AC006039  
 F-NT2RP3001055//Drosophila melanogaster; Chromosome 2R; Region 47F1-47F7; P1 clone DS02304, WORK-  
 15 ING DRAFT SEQUENCE, 5 unordered pieces.//1.8e-23:352:67//AC005653  
 F-NT2RP3001057//H.sapiens HZF4 mRNA for zinc finger protein.//1.4e-49:437:77//X78927  
 F-NT2RP3001081//Homo sapiens RCC1-like G exchanging factor RLG mRNA, complete cds.//8.4e-50:534:74//  
 AF060219  
 F-NT2RP3001084//Homo sapiens mRNA for KIAA0782 protein, partial cds.//1.2e-14:474:60//AB018325  
 F-NT2RP3001096//CIT-HSP-2305P8.TF CIT-HSP Homo sapiens genomic clone 2305P8, genomic survey se-  
 quence.//3.4e-37:222:93//AQ021278  
 F-NT2RP3001107//Human mRNA for KIAA0215 gene, complete cds.//8.5e-33:712:64//D86969  
 F-NT2RP3001109//Human Chromosome 15q26.1 PAC clone pDJ457j11 containing DNA polymerase gamma  
 25 (polg) gene, complete sequence.//2.7e-116:186:99//AC005317  
 F-NT2RP3001111  
 F-NT2RP3001113//Human DNA sequence from cosmid U157D4, between markers DXS366 and DXS87 on chro-  
 mosome X.//2.4e-05:702:58//Z68871  
 F-NT2RP3001115//Homo sapiens PAC clone DJ0905J08 from 7p12-p14, complete sequence.//1.9e-170:821:98//  
 30 AC005189  
 F-NT2RP3001116//HS\_3075\_A1\_F01\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3075 Col=1 Row=K, genomic survey sequence.//7.3e-49:290:92//AQ120581  
 F-NT2RP3001119//Human DNA sequence from clone 612B18 on chromosome 1q24-25.3 Contains exon from  
 gene similar to 40S ribosomal protein, first coding exon of dynamin 2 (DYNII). ESTs, STS, GSS, CpG Island,  
 35 complete sequence.//1.4e-121:598:97//AL031864  
 F-NT2RP3001120//Human zinc finger protein ZNF136.//7.4e-76:687:75//U09367  
 F-NT2RP3001126//Bovine herpesvirus type 1 DNA for UL36, UL37, UL38, UL39, UL40 and UL41.//6.8e-05:344:  
 64//Z49078  
 F-NT2RP3001133//Nephila clavipes minor ampullate silk protein MiSp1 mRNA, partial cds.//0.00021:529:60//  
 40 AF027735  
 F-NT2RP3001140//Homo sapiens mRNA for KIAA0762 protein, partial cds.//3.6e-179:851:98//AB018305  
 F-NT2RP3001147//RPCI11-3M16.TP RPCI-11 Homo sapiens genomic clone RPCI-11-3M16, genomic survey se-  
 quence.//2.1e-15:106:96//B48859  
 F-NT2RP3001150//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 423B22, WORKING  
 45 DRAFT SEQUENCE.//2.0e-159:418:95//AL034379  
 F-NT2RP3001155//Homo sapiens mRNA for AND-1 protein.//5.1e-190:891:98//AJ006266  
 F-NT2RP3001176//Human DNA sequence from clone 879K22 on chromosome 1q32.1-41 Contains GSS, com-  
 plete sequence.//1.1e-69:207:97//AL034351  
 F-NT2RP3001214//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-628 genomic sequence, WORKING  
 50 DRAFT SEQUENCE, 9 unordered pieces.//0.16:475:58//AC005507  
 F-NT2RP3001216//Homo sapiens clone DJ0635O05, WORKING DRAFT SEQUENCE, 7 unordered pieces.//3.3e-  
 05:561:56//AC004845  
 F-NT2RP3001221  
 F-NT2RP3001232//Mouse mRNA for serine protease PC6, complete cds.//1.0e-11:120:87//D12619  
 55 F-NT2RP3001236  
 F-NT2RP3001239//Mouse MAP1B mRNA for MAP1B microtubule-associated protein.//3.9e-19:501:61//X51396  
 F-NT2RP3001245//CITBI-E1-2505C1.TF.1 CITBI-E1 Homo sapiens genomic clone 2505C1, genomic survey se-  
 quence.//8.5e-70:337:100//AQ242007

- F-NT2RP3001253//CITBI-E1-2505N14.TR CITBI-E1 Homo sapiens genomic clone 2505N14, genomic survey sequence.//0.83:235:60//AQ260430
- F-NT2RP3001260//Homo sapiens mRNA for KIAA0726 protein, complete cds.//3.8e-47:761:64//AB018269
- F-NT2RP3001268//Homo sapiens zinc finger protein (HZF6) mRNA, 5' UTR and partial cds.//2.3e-64:618:72//AF027513
- 5 F-NT2RP3001272//Mus musculus mRNA for macrophage actin-associated-tyrosine-phosphorylated protein.//2.6e-99:669:83//Y18101
- F-NT2RP3001274//Human ABL gene, exon 1b and intron 1b, and putative M8604 Met protein (M8604 Met) gene, complete cds.//0.99:400:58//U07561
- 10 F-NT2RP3001281//Homo sapiens chromosome 17, clone hRPK.318\_A\_15, complete sequence.//5.9e-39:304:70//AC005837
- F-NT2RP3001297//Human mRNA for KIAA0281 gene, complete cds.//7.6e-47:544:69//D87457
- F-NT2RP3001307//Ambystoma tigrinum RPE65 protein mRNA, complete cds.//2.4e-27:547:63//AF047465
- F-NT2RP3001318//Plasmodium falciparum 3D7 chromosome 12 PFYAC1122 genomic sequence, WORKING DRAFT SEQUENCE, 3 unordered pieces.//0.00022:624:60//AC004709
- 15 F-NT2RP3001325//Caenorhabditis elegans cosmid F36H12.//0.25:523:59//AF078790
- F-NT2RP3001338//Human mRNA for KIAA0211 gene, complete cds.//5.1e-29:345:73//D86966
- F-NT2RP3001339//Rattus norvegicus myotonic dystrophy kinase-related Cdc42-binding kinase (MRCK) mRNA, complete cds.//1.2e-151:821:91//AF021935
- 20 F-NT2RP3001340//Homo sapiens HMG box factor SOX-13 mRNA, complete cds.//5.3e-27:247:81//AF083105
- F-NT2RP3001355//Homo sapiens Chromosome 22q11.2 BAC Clone 77h2 In CES Region, WORKING DRAFT SEQUENCE, 7 unordered pieces.//2.1e-16:130:76//AC000052
- F-NT2RP3001356
- F-NT2RP3001374
- 25 F-NT2RP3001383//Homo sapiens DNA sequence from PAC 140C12 on chromosome 6q26-q27.//0.00082:365:61//AL008628
- F-NT2RP3001384//Homo sapiens HRIHFB2018 mRNA, partial cds.//6.4e-157:743:98//AB015332
- F-NT2RP3001392//Human DNA sequence from PAC 302D9 on chromosome 22q11.2-qter. Contains STS, complete sequence.//0.045:359:61//Z82198
- 30 F-NT2RP3001396//Drosophila melanogaster DNA sequence (P1 DS08860 (D181)), complete sequence.//1.3e-16:336:65//AC004296
- F-NT2RP3001398//Mus musculus zinc finger protein (Zfp64) mRNA, complete cds.//3.1e-100:711:82//U49046
- F-NT2RP3001399//Homo sapiens PAC clone DJ1106E03 from 7q31.3-7q3, complete sequence.//5.4e-20:245:73//AC005521
- 35 F-NT2RP3001407//RPCI11-41A20.TP RPCI-11 Homo sapiens genomic clone RPCI-11-41A20, genomic survey sequence.//0.051:306:59//AQ029031
- F-NT2RP3001420//Human DNA sequence from PAC 12409 on chromosome 6q21. Contains DNAJ2 (HDJ1) like pseudogene, ESTs, STSs and GSSs.//0.90:170:65//AL021327
- F-NT2RP3001426//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 126A5, WORKING DRAFT SEQUENCE.//2.9e-89:138:98//AL031447
- 40 F-NT2RP3001427//CIT-HSP-2302H24.TF CIT-HSP Homo sapiens genomic clone 2302H24, genomic survey sequence.//8.1e-36:212:94//AQ020997
- F-NT2RP3001428//Human nuclear pore complex-associated protein TPR (tpr) mRNA, complete cds.//8.5e-73:431:91//U69668
- 45 F-NT2RP3001432//HS\_3032\_B1\_A03\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3032 Col=5 Row=B, genomic survey sequence.//0.00024:111:76//AQ096619
- F-NT2RP3001447
- F-NT2RP3001449//Human DNA sequence from clone 283E3 on chromosome 1p36.21-36.33. Contains the alternatively spliced gene for Matrix Metalloproteinase in the Female Reproductive tract MIFR1, -2, MMP21/22A, -B and -C, a novel gene, the alternatively spliced CDC2L2 gene for Cell Division Cycle 2-Like 2 (PITSLRE, p58/GTA, Galactosyltransferase Associated Protein Kinase) beta 1, beta 2-1, beta 2-2 and alpha 2-4, a 40S Ribosomal Protein S7 pseudogene, part of the KIAA0447 gene, a novel alternatively spliced gene similar to many (archae) bacterial, worm and yeast hypothetical genes, and the GNB1 gene for Guanine Nucleotide Binding Protein (G protein), Beta polypeptide 1 (Transducin Beta chain 1). Contains putative CpG islands, ESTs, STSs and GSSs, complete sequence.//2.1e-105:223:99//AL031282
- 50 F-NT2RP3001453//Ralstonia sp. E2 positive phenol-degradative gene regulator (poxR), phenol hydroxylase components (poxA, poxB, poxC, poxD, poxE, poxF), and ferredoxin-like protein (poxG) genes, complete cds.//0.75:349:59//AF026065
- 55

F-NT2RP3001457  
 F-NT2RP3001459  
 F-NT2RP3001472//Homo sapiens Sox-like transcriptional factor mRNA, complete cds.//1.3e-08:168:70//AF072836  
 5 F-NT2RP3001490  
 F-NT2RP3001495//Human oxidoreductase (HHCMA56) mRNA, complete cds.//1.0e-26:191:90//U13395  
 F-NT2RP3001497//Homo sapiens multiple membrane spanning receptor TRC8 (TRC8) mRNA, complete cds.//8.5e-171:804:98//AF064801  
 F-NT2RP3001527//Human lymphoid-specific SP100 homolog (LYSP100-A) mRNA, complete, cds.//8.9e-140:743:91//U36499  
 10 F-NT2RP3001529//Streptomyces griseus DNA for ribosoma protein L21, ribosomal protein L27, Obg, complete cds.//2.1e-14:517:59//D87916  
 F-NT2RP3001538//Capra hircus hircus clone 12 RAPD PCR sequence, genomic survey sequence.//4.7e-05:217:63//AF078176  
 15 F-NT2RP3001554//Rattus norvegicus microtubule-associated protein 1A MAP1A (Mtap-1) mRNA, complete cds.//4.3e-17:332:67//M83196  
 F-NT2RP3001580//RPC111 Homo sapiens genomic clone R-91E19, genomic survey sequence.//4.2e-15:110:91//AQ281332  
 F-NT2RP3001587//S.pombe chromosome II cosmid c16H5.//6.6e-28:491:64//AL022104  
 20 F-NT2RP3001589//RPC111-68M15.TK RPC111 Homo sapiens genomic clone R-68M15, genomic survey sequence.//8.7e-108:517:98//AQ237629  
 F-NT2RP3001607//Homo sapiens Xp22 BAC GSHB-600G8 (Genome Systems Human BAC library) complete sequence.//1.0e-09:257:65//AC004674  
 F-NT2RP3001608//Methylococcus capsulatus methane monooxygenase component A alpha chain, methane monooxygenase A beta chain and methane monooxygenase component C genes, complete cds.//0.59:450:57//M90050  
 25 F-NT2RP3001621//Human DNA sequence from clone 24o18 on chromosome 6p21.31-22.2 Contains zinc finger protein pseudogene, VNO-type olfactory receptor pseudogene, nuclear envelope pore membrane protein, EST, STS, GSS, complete sequence.//1.8e-42:278:79//AL021808  
 F-NT2RP3001629  
 30 F-NT2RP3001634//Homo sapiens mRNA for Ariadne-2 protein.//1.5e-63:276:97//AJ130978  
 F-NT2RP3001642//Caenorhabditis elegans cosmid F45E6, complete sequence.//0.018:127:66//Z68117  
 F-NT2RP3001646  
 F-NT2RP3001671//Homo sapiens mRNA for NS1-binding protein (NS1-BP).//3.4e-171:816:98//AJ012449  
 35 F-NT2RP3001672//Drosophila melanogaster transcriptional repressor protein (Scm) mRNA, complete cds.//1.6e-38:542:66//U49793  
 F-NT2RP3001676//HS\_3090\_B1\_B04\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3090 Col=7 Row=D, genomic survey sequence.//3.1e-07:333:64//AQ123250  
 F-NT2RP3001678//Drosophila melanogaster; Chromosome 3L; Region 63C5-63D3; P1 clone DS01859, WORKING DRAFT SEQUENCE, 6 unordered pieces.//1.0:539:57//AC004358  
 40 F-NT2RP3001679//Homo sapiens genomic DNA of 8p21.3-p22 anti-oncogene of hepatocellular colorectal and non-small cell lung cancer, segment 3/11.//2.8e-130:355:96//AB020860  
 F-NT2RP3001688//Rattus norvegicus glucocorticoid modulatory element binding protein 2 mRNA, complete cds.//2.1e-37:512:70//AF059273  
 45 F-NT2RP3001690//CIT-HSP-2300P9.TR CIT-HSP Homo sapiens genomic clone 2300P9, genomic survey sequence.//2.8e-19:123:95//AQ012480  
 F-NT2RP3001698//Rat mRNA for RhoGAP, complete cds.//9-4e-11:167:74//D31962  
 F-NT2RP3001708//H.sapiens CpG island DNA genomic MseI fragment, clone 4g7, reverse read cpg4g7.rt1d.//1.3e-17:113:97//Z61312  
 50 F-NT2RP3001712//M.musculus mRNA for HP1-BP74 protein.//2.2e-95:601:88//X99642  
 F-NT2RP3001716  
 F-NT2RP3001724//Homo sapiens chromodomain-helicase-DNA-binding protein mRNA, complete cds.//1.4e-159:565:97//AF054177  
 F-NT2RP3001727//Rattus norvegicus implantation-associated protein (IAG2)-mRNA, partial cds.//1.7e-132:786:88//AF008554  
 55 F-NT2RP3001730//Human mRNA for KIAA0128 gene, partial cds.//3.9e-104:811:78//D50918  
 F-NT2RP3001739//Homo sapiens Chromosome 22q11.2 PAC Clone p201m18 In DGCR Region, complete sequence.//6.5e-07:178:69//AC000097

- F-NT2RP3001752//Human DNA sequence from clone 105D16 on chromosome Xp11.3-11.4 Contains pseudogene similar to laminin-binding protein, CA repeat, STS, complete sequence.//5.2e-31:311:77//AL031311
- F-NT2RP3001753//Sequence 29 from patent US 5658882.//0.11:513:58//I62381
- F-NT2RP3001764//Sequence 6 from Patent WO9706245.//6.4e-47:673:66//A59888
- 5 F-NT2RP3001777//Caenorhabditis elegans cosmid T10E10.//0.078:290:63//U39644
- F-NT2RP3001782//Homo sapiens mRNA for KIAA0459 protein, partial cds.//2.8e-151:710:98//AB007928
- F-NT2RP3001792//Mus musculus myelin gene expression factor (MEF-2) mRNA, partial cds.//1.2e-26:213:85//U13262
- 10 F-NT2RP3001799//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 469D22, WORKING DRAFT SEQUENCE.//8.4e-51:168:95//AL031284
- F-NT2RP3001819//S.glaucescens genes strU, strX, strV and strW for 5'-hydroxystreptomycin production and transport polypeptides.//0.084:526:58//X89010
- F-NT2RP3001844//HS\_3110\_B1\_E10\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3110 Col=19 Row=J, genomic survey sequence.//1.5e-40:232:82//AQ140433
- 15 F-NT2RP3001854//Plasmodium falciparum 3D7 chromosome 12 PFYAC181 genomic sequence, WORKING DRAFT SEQUENCE, 8 unordered pieces.//0.14:452:58//AC005505
- F-NT2RP3001855//Mus musculus homeobox protein PKNOX1 (Pknx1) mRNA, complete cds.//2.7e-39:575:67//AF061270
- 20 F-NT2RP3001857//M.musculus tex292 mRNA (5'region).//8.7e-07:106:81//X80434
- F-NT2RP3001896
- F-NT2RP3001898//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 163G9, WORKING DRAFT SEQUENCE.//0.094:456:60//AL008733
- F-NT2RP3001915//Caenorhabditis elegans cosmid C12D8, complete sequence.//0.58:482:56//Z73969
- 25 F-NT2RP3001926//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from MAL4P1, WORKING DRAFT SEQUENCE.//0.42:401:58//AL034557
- F-NT2RP3001929//Homo sapiens chromosome 16, cosmid clone RT102 (LANL), complete sequence.//3.1e-28:263:77//AC004651
- F-NT2RP3001931
- 30 F-NT2RP3001938//CIT-HSP-2165E8.TR CIT-HSP Homo sapiens genomic clone 2165E8, genomic survey sequence.//3.6e-24:182:91//B95475
- F-NT2RP3001943//Homo sapiens mRNA for KIAA0675 protein, complete cds.//1.8e-165:815:96//AB014575
- F-NT2RP3001944
- F-NT2RP3001969//Homo sapiens chromosome 12p13.3 clone RPC11-350L7, WORKING DRAFT SEQUENCE, 72 unordered pieces.//4.8e-62:304:89//AC005844
- 35 F-NT2RP3001989//Plasmodium falciparum strain Dd2 heat shock protein 86 (HSP86), O1 (o1), O3 (o3), O2 (o2), CG8 (cg8), CG4 (cg4), CG3 (cg3), CG9 (cg9), CG1 (cg1), CG6 (cg6), chloroquine resistance candidate protein (cg2), and CG7 (cg7) genes, complete cds.//8.2e-10:564:60//AF030694
- F-NT2RP3002002//Human DNA sequence from PAC 306D1 on chromosome X contains ESTs.//2.5e-57:361:80//Z83822
- 40 F-NT2RP3002004//Sequence 3 from patent US 5798245.//1.6e-26:104:100//AR025386
- F-NT2RP3002007//Human Chromosome 15q11-q13 PAC clone pDJ223c9 from the Prader-Willi/Angelman Syndrome region, complete sequence.//0.0053:633:58//AC004137
- F-NT2RP3002014//Drosophila melanogaster DNA sequence (P1s DS07528 (D169) and DS06665 (D220)), complete sequence.//1.3e-32:334:68//AC004640
- 45 F-NT2RP3002033//H.sapiens DNA sequence.//0.012:214:63//Z22493
- F-NT2RP3002045//Rat mRNA for alpha-c large chain of the protein complex AP-2 associated with clathrin.//8.7e-116:713:86//X53773
- F-NT2RP3002054//Mycobacterium tuberculosis H37Rv complete genome; segment 143/162.//1.6e-12:613:60//AL021841
- 50 F-NT2RP3002056//Human DNA sequence from PAC 358H7 on chromosome X.//0.17:566:59//Z77249
- F-NT2RP3002057//Homo sapiens clone NH0084K19, WORKING DRAFT SEQUENCE, 30 unordered pieces.//3.3e-24:167:82//AC005682
- F-NT2RP3002062
- 55 F-NT2RP3002063//Rickettsia prowazekii strain Madrid E, complete genome; segment 3/4.//0.24:508:58//AJ235272
- F-NT2RP3002081//HS\_2001\_B1\_E06\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2001 Col=11 Row=J, genomic survey sequence.//9.7e-22:155:90//AQ218494
- F-NT2RP3002097//Homo sapiens Xp22-150 BAC GSHB-309P15 (Genome Systems Human BAC Library) com-

- plete sequence.//9.6e-66:562:77//AC006210  
 F-NT2RP3002102//CIT-HSP-2307B10.TR CIT-HSP Homo sapiens genomic clone 2307B10, genomic survey sequence.//5.9e-16:214:74//AQ018040  
 F-NT2RP3002108
- 5 F-NT2RP3002142//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-319E8, complete sequence.//7.6e-29:414:68//AC004020  
 F-NT2RP3002146//Pseudomonas fluorescens polyketide synthase type I (pltB) and polyketide synthase type I (pltC) genes, complete cds.//0.96:434:60//AF003370  
 F-NT2RP3002147//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 329F2, WORKING DRAFT SEQUENCE.//1.3e-63:380:91//AL031710
- 10 F-NT2RP3002151//Human chromosome 16p13.1 BAC clone CIT987SK-551G9 complete sequence.//9.9e-60:315:80//U95742  
 F-NT2RP3002163  
 F-NT2RP3002165//M.musculus HCNGP mRNA.//1.4e-142:867:87//X68061
- 15 F-NT2RP3002166//Homo sapiens chromosome X, clone hCIT.200\_L\_4, complete sequence.//0.090:394:59//AC006121  
 F-NT2RP3002173//HS\_3062\_B1\_G05\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3062 Col=9 Row=N, genomic survey sequence.//3.3e-101:509:96//AQ193219  
 F-NT2RP3002181//Human DNA sequence from clone 24o18 on chromosome 6p21.31-22.2 Contains zinc finger protein pseudogene, VNO-type olfactory receptor pseudogene, nuclear envelope pore membrane protein, EST, STS, GSS, complete sequence.//4.5e-106:432:84//AL021808
- 20 F-NT2RP3002244//Homo sapiens chromosome 19, cosmid R27377, complete sequence.//0.63:353:60//AC005321  
 F-NT2RP3002248//HS\_3029\_A1\_D10\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3029 Col=19 Row=G, genomic survey sequence.//3.5e-10:125:79//AQ094880  
 F-NT2RP3002255//Bovine herpesvirus type 1 immediate-early transcriptional control protein (BICP4) gene, 5' end.//5.6e-09:629:59//L14321  
 F-NT2RP3002273//cSRL-165E12-u cSRL flow sorted Chromosome 11 specific cosmid Homo sapiens genomic clone cSRL-165E12, genomic survey sequence.//4.9e-35:366:74//B03004
- 30 F-NT2RP3002276//B.taurus mRNA for B15 subunit of NADH: ubiquinone oxidoreductase complex.//0.023:326:60//X64898  
 F-NT2RP3002303//Methanobacterium thermoautotrophicum from bases 172512 to 182957 (section 16 of 148) of the complete genome.//3.8e-12:643:57//AE000810  
 F-NT2RP3002304//Plasmodium falciparum 3D7 chromosome 12 PFYAC1383 genomic sequence, WORKING DRAFT SEQUENCE, 3 unordered pieces.//1.6e-09:490:60//AC005504
- 35 F-NT2RP3002330//Human DNA sequence from cosmid L58b6, Huntington's Disease Region, chromosome 4p16.3, containing STS matches.//1.9e-93:572:88//Z49862  
 F-NT2RP3002343//HS\_3010\_A2\_B08\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3010 Col=16 Row=C, genomic survey sequence.//9.0e-75:373:97//AQ119068  
 F-NT2RP3002351//Human mRNA for NAD-dependent methylene tetrahydrofolate dehydrogenase cyclohydrolase (EC 1.5.1.15).//4.9e-64:588:75//X16396  
 F-NT2RP3002352//Homo sapiens mRNA for protein encoded by cxorf5 (71-7A) gene, alternatively spliced form.//1.3e-164:770:98//Y16355
- 40 F-NT2RP3002377//Homo sapiens mRNA for KIAA0788 protein, partial cds.//1.4e-190:911:98//AB018331  
 F-NT2RP3002399
- 45 F-NT2RP3002402//Rattus norvegicus mRNA for dipeptidyl peptidase III, complete cds.//7.2e-25:249:79//D89340  
 F-NT2RP3002455//Homo sapiens mRNA for KIAA0678 protein, partial cds.//1.2e-138:649:99//AB014578  
 F-NT2RP3002484//CIT-HSP-367N3.TP.1 CIT-HSP Homo sapiens genomic clone 367N3, genomic survey sequence.//5.0e-18:115:96//B78927
- 50 F-NT2RP3002501//Caenorhabditis elegans cosmid K01C8, complete sequence.//0.00020:170:65//Z49068  
 F-NT2RP3002512//Homo sapiens clone 664 unknown mRNA, partial sequence.//1.6e-59:308:97//AF091088  
 F-NT2RP3002529//Human vacuolar protein sorting homolog h-vps45 mRNA, complete cds.//1.4e-144:763:93//U35246  
 F-NT2RP3002545//Homo sapiens mRNA for KIAA0729 protein, partial cds.//1.8e-178:833:98//AB018272
- 55 F-NT2RP3002549//Homo sapiens clone DJ0098O22, WORKING DRAFT SEQUENCE, 5 unordered pieces.//4.7e-26:123:72//AC004821  
 F-NT2RP3002566//Streptomyces viridifaciens sigma factor (hrdD) gene, complete cds.//0.76:459:59//U60418  
 F-NT2RP3002587//Homo sapiens chromosome Y, clone 264,M,20, complete sequence.//4.6e-13:199:76//

- AC004617  
 F-NT2RP3002590//*Porphyra purpurea* chloroplast, complete genome//0.88:284:60//U38804  
 F-NT2RP3002602//CIT978SK-A-441H11-2.TPB CIT978SK Homo sapiens genomic clone A-441H11, genomic survey sequence//2.0e-22:140:95//B68331
- 5 F-NT2RP3002603  
 F-NT2RP3002628//*C.acetobutylicum* dnaJ and orfB genes//2.0e-05:333:60//X69050  
 F-NT2RP3002631  
 F-NT2RP3002650//*Mus musculus* mRNA for cartilage-associated protein (CASP)//1.5e-20:641:62//AJ006469  
 F-NT2RP3002659//Bovine herpesvirus type 1 UL22-35 genes//5.2e-05:621:59//Z78205
- 10 F-NT2RP3002660//Homo sapiens PAC clone DJ1006K12 from 7q31.2-q31, complete sequence//0.98:453:57//AC004946  
 F-NT2RP3002663//Homo sapiens chromosome 19, cosmid F6697, complete sequence//3.3e-22:407:67//AC006129  
 F-NT2RP3002671//*S.pombe* chromosome III cosmid c553//1.0e-12:336:66//AL023704
- 15 F-NT2RP3002682//*Caenorhabditis elegans* cosmid F17C11, complete sequence//1.3e-21:448:64//Z72507  
 F-NT2RP3002687//CIT978SK-A-789B1.TP CIT978SK Homo sapiens genomic clone A-789B1, genomic survey sequence//2.5e-25:173:91//B51656  
 F-NT2RP3002688//Mouse mRNA for kinesin-like protein (Kif1b), complete cds//1.2e-73:728:74//D17577  
 F-NT2RP3002701//CITBI-E1-2507L14.TF CITBI-E1 Homo sapiens genomic clone 2507L14, genomic survey sequence//0.0012:55:92//AQ263530
- 20 F-NT2RP3002713  
 F-NT2RP3002763//*Caenorhabditis elegans* cosmid T20F10, complete sequence//0.98:209:63//Z81594  
 F-NT2RP3002770  
 F-NT2RP3002785//Homo sapiens laminin beta-4 chain precursor (LAMB4) mRNA, alternatively spliced short variant, partial cds//0.78:515:57//AF029325
- 25 F-NT2RP3002799//Human DNA sequence from clone 1052M9 on chromosome Xq25. Contains the SH2D1A gene for SH2 domain protein 1A, Duncan's disease (lymphoproliferative syndrome) (DSHP), part of a 60S Acidic Ribosomal protein 1 (RPLP1) LIKE gene and part of a mouse DOC4 LIKE gene. Contains ESTs and GSSs, complete sequence//1.9e-21:167:79//AL022718
- 30 F-NT2RP3002810//Homo sapiens chromosome 17, clone hRPK.215\_E\_13, complete sequence//0.32:187:66//AC005549  
 F-NT2RP3002818//Homo sapiens jerky gene product homolog mRNA, complete cds//6.9e-54:615:70//AF004715  
 F-NT2RP3002861//*Caenorhabditis elegans* cosmid M03F4//4.2e-05:226:65//U64601  
 F-NT2RP3002869//*Mus musculus* semaphorin VIa mRNA, complete cds//2.0e-93:638:83//AF030430
- 35 F-NT2RP3002876//Homo sapiens mRNA for B120, complete cds//8.5e-89:557:88//AB001895  
 F-NT2RP3002877//Homo sapiens chromosome 12p13.3 clone RPCI11-433J6, WORKING DRAFT SEQUENCE, 100 unordered pieces//7.9e-12:160:78//AC006087  
 F-NT2RP3002909//Homo sapiens mRNA for KIAA0771 protein, partial cds//5.7e-180:853:98//AB018314  
 F-NT2RP3002911//RPCI11-24N15.TPC RPCI-11 Homo sapiens genomic clone RPCI-11-24N15, genomic survey sequence//2.3e-13:442:61//B88815
- 40 F-NT2RP3002948//, complete sequence//2.2e-110:637:91//AC005500  
 F-NT2RP3002953//Homo sapiens chromosome 5, BAC clone 34j15 (LBNL H169), complete sequence//1.7e-166:793:98//AC005754  
 F-NT2RP3002955//Human HepG2 partial cDNA, clone hmd3c02m5//0.00011:61:95//D17024
- 45 F-NT2RP3002969//Rat mRNA for brain acyl-CoA synthetase II, complete cds//1.2e-128:808:85//D30666  
 F-NT2RP3002972//H.sapiens (xs168) mRNA, 381bp//1.5e-43:312:85//Z36820  
 F-NT2RP3002978//*Plasmodium falciparum* 3D7 chromosome 12 PFYAC181 genomic sequence, WORKING DRAFT SEQUENCE, 8 unordered pieces//0.00044:527:57//AC005505  
 F-NT2RP3002985//Genomic sequence from Human 9q34, complete sequence//0.92:341:60//AC001644
- 50 F-NT2RP3002988//HS\_3015\_A1\_B07\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3015 Col=13 Row=C, genomic survey sequence//4.4e-05:379:58//AQ091708  
 F-NT2RP3003008//*Mus musculus* major histocompatibility locus class III regions Hsc70t gene, partial cds; smRNP, G7A, NG23, MutS homolog, CLCP, NG24, NG25, and NG26 genes, complete cds; and unknown genes//1.4e-72:197:79//AF109905
- 55 F-NT2RP3003032//*Plasmodium falciparum* DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 3-80, complete sequence//1.6e-08:809:58//AL010153  
 F-NT2RP3003059//*Rattus norvegicus* potassium channel regulator 1 mRNA, complete cds//4.1e-111:804:81//U78090



- F-NT2RP3003061//Human mRNA for ankyrin (variant 2.1)//1.4e-12:633:59//X16609  
 F-NT2RP3003068//Human BAC clone RG264L19 from 7p15-p21, complete sequence//0.034:282:60//AC002410  
 F-NT2RP3003071//H.sapiens CpG island DNA genomic MseI fragment, clone 13d12, reverse read  
 cpg13d12.rt1c//6.8e-15:95:100//Z64565
- 5 F-NT2RP3003078  
 F-NT2RP3003101//Mouse mRNA for tetracycline transporter-like protein, complete cds//8.1e-72:732:71//D88315  
 F-NT2RP3003121  
 F-NT2RP3003133//Homo sapiens chromosome 19, cosmid R30385, complete sequence//3.5e-12:168:76//  
 AC004510
- 10 F-NT2RP3003138//Mouse kif4 mRNA for microtubule-based motor protein KIF4, complete cds//4.0e-148:908:87//  
 D12646  
 F-NT2RP3003139//Rattus norvegicus kappa opioid receptor gene, exon 4 and complete cds//2.0e-31:658:63//  
 U17995  
 F-NT2RP3003145//Mus musculus carboxypeptidase X2 mRNA, complete cds//3.5e-22:430:63//AF017639
- 15 F-NT2RP3003150  
 F-NT2RP3003157//HS\_3055\_B1\_G05\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3055 Col=9 Row=N, genomic survey sequence//1.9e-92:493:94//AQ155489  
 F-NT2RP3003185//Rattus norvegicus brain-enriched guanylate kinase-associated protein 1 mRNA, complete  
 cds//8.6e-06:228:65//AF064868
- 20 F-NT2RP3003193//H.sapiens HZF10 mRNA for zinc finger protein//7.4e-73:737:71//X78933  
 F-NT2RP3003197  
 F-NT2RP3003203//Rattus norvegicus golgi peripheral membrane protein p65 (GRASP65) mRNA, complete cds//  
 4.1e-48:640:67//AF015264  
 F-NT2RP3003204//Human Mermaid LINE-1 element mRNA sequence//0.0033:69:81//U31059
- 25 F-NT2RP3003210//Homo sapiens SYBL1 gene//1.1e-34:430:70//AJ004799  
 F-NT2RP3003212//Rattus norvegicus lamina associated polypeptide 1C (LAP1C) mRNA, complete cds//6.3e-75:  
 776:74//U20286  
 F-NT2RP3003230//Rattus norvegicus mRNA for coronin-like protein//1.8e-62:575:74//AJ006064  
 F-NT2RP3003242//Homo sapiens stanniocalcin-2 (STC-2) mRNA, complete cds//3.7e-128:617:98//AF055460
- 30 F-NT2RP3003251//H.sapiens Staf50 mRNA//3.5e-67:651:76//X82200  
 F-NT2RP3003264//Plasmodium falciparum 3D7 chromosome 12 PFYAC812 genomic sequence, WORKING  
 DRAFT SEQUENCE, 8 unordered pieces//0.015:473:58//AC004153  
 F-NT2RP3003278//H.sapiens CpG island DNA genomic MseI fragment, clone 28b4, forward read cpg28b4.ft1a//  
 4.0e-27:174:93//Z60555
- 35 F-NT2RP3003282//Homo sapiens dynamin (DNM) mRNA, complete cds//1.3e-131:694:93//L36983  
 F-NT2RP3003290//Homo sapiens nickel-specific induction protein (Cap43) mRNA, complete cds//1.7e-64:662:  
 71//AF004162  
 F-NT2RP3003301//Spinacia oleracea mRNA for ATP-dependent protease Lon, complete cds//4.9e-37:682:64//  
 D85610
- 40 F-NT2RP3003302//Homo sapiens, clone hRPK.15\_A\_1, complete sequence//4.6e-95:680:82//AC006213  
 F-NT2RP3003311//Homo sapiens chromosome 21, Neurofibromatosis 1 (NF1) related locus, complete se-  
 quence//1.0:191:62//AC004527  
 F-NT2RP3003313//Streptomyces coelicolor cosmid 5A7//0.0084:403:61//AL031107  
 F-NT2RP3003327//H.sapiens Staf50 mRNA//2.5e-29:253:67//X82200
- 45 F-NT2RP3003330  
 F-NT2RP3003344  
 F-NT2RP3003346//Homo sapiens chromosome 17, clone hRPK.795\_F\_17, complete sequence//9.0e-41:296:  
 84//AC005284  
 F-NT2RP3003353//Human DNA sequence from PAC 970D1 on chromosome 1q24. Contains ESTs, STSs and a  
 BAC end-sequence (GSS)//0.047:404:60//AL021069
- 50 F-NT2RP3003377//Homo sapiens clone DJ0919J22, WORKING DRAFT SEQUENCE, 34 unordered pieces//  
 8.3e-122:632:96//AC005519  
 F-NT2RP3003384//Homo sapiens Chromosome 2 BAC Clone 376a1, WORKING DRAFT SEQUENCE, 17 unor-  
 dered pieces//0.0036:127:74//AC000360
- 55 F-NT2RP3003385//Mus musculus SKD3 mRNA, complete cds//2.0e-110:843:79//U09874  
 F-NT2RP3003403//Human Chromosome X, complete sequence//7.5e-21:647:61//AC002407  
 F-NT2RP3003409//Human DHHC-domain-containing cysteine-rich protein mRNA, complete cds//1.0e-20:430:  
 63//U90653

- F-NT2RP3003411//Mus musculus COP9 complex subunit 7b (COPS7b) mRNA, complete cds.//4.2e-139:524:90//AF071317
- F-NT2RP3003427//HS-1051-A1-D03-MF.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 773 Col=5 Row=G, genomic survey sequence.//8.8e-18:111:97//B40173
- 5 F-NT2RP3003433//HS\_2219\_B2\_A11\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2219 Col=22 Row=B, genomic survey sequence.//1.2e-57:410:83//AQ145866
- F-NT2RP3003464//Homo sapiens rab3-GAP regulatory domain mRNA, complete cds.//5.2e-181:853:98//AF004828
- F-NT2RP3003490//Homo sapiens mRNA for KIAA0725 protein, partial cds.//1.6e-173:826:98//AB018268
- 10 F-NT2RP3003491//CIT-HSP-2344O1.TR CIT-HSP Homo sapiens genomic clone 2344O1, genomic survey sequence.//1.2e-39:213:97//AQ057124
- F-NT2RP3003500//HS\_3000\_B1\_C07\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3000 Col=13 Row=F, genomic survey sequence.//0.025:253:60//AQ090347
- F-NT2RP3003543//Homo sapiens chromosome 16, cosmid clone 399H11 (LANL), complete sequence.//0.95:279:60//AC004234
- 15 F-NT2RP3003552//Homo sapiens clone UWGC:y54c222 from 6p21, complete sequence.//1.8e-88:166:84//AC006049
- F-NT2RP3003555//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 228H13, WORKING DRAFT SEQUENCE.//8.9e-17:245:72//AL031985
- 20 F-NT2RP3003564//HS\_3141\_B1\_G10\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3141 Col=19 Row=N, genomic survey sequence.//2.7e-79:442:93//AQ187798
- F-NT2RP3003572
- F-NT2RP3003576//Homo sapiens clone RG031N19, WORKING DRAFT SEQUENCE, 1 unordered pieces.//5.8e-55:275:84//AC005632
- 25 F-NT2RP3003589//Canine rab10 mRNA for ras-related GTP-binding protein.//1.1e-94:488:95//X56387
- F-NT2RP3003621//Homo sapiens chromosome 16, cosmid clone 432A1 (LANL), complete sequence.//6.0e-88:463:84//AC004235
- F-NT2RP3003625//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 390E6, WORKING DRAFT SEQUENCE.//0.98:307:60//AL031600
- 30 F-NT2RP3003656
- F-NT2RP3003659//F.rubripes GSS sequence, clone 013G07cE7, genomic survey sequence.//1.7e-25:284:74//AL011271
- F-NT2RP3003665//Homo sapiens chromosome 9q34, clone 63G10, complete sequence.//0.011:279:65//AC002096
- 35 F-NT2RP3003672
- F-NT2RP3003680//Drosophila melanogaster; Chromosome 2R; Region 39B1-39B3; P1 clone DS05527, WORKING DRAFT SEQUENCE, 9 unordered pieces.//3.4e-16:425:64//AC005811
- F-NT2RP3003686//HS\_3064\_B2\_A04\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3064 Col=8 Row=B, genomic survey sequence.//3.1e-27:153:98//AQ136993
- 40 F-NT2RP3003701
- F-NT2RP3003716//Rattus norvegicus Shal-related potassium channel Kv4.3 mRNA, complete cds.//4.6e-107:788:82//U42975
- F-NT2RP3003726//Homo sapiens mRNA for KIAA0757 protein, complete cds.//2.3e-148:700:98//AB018300
- F-NT2RP3003746//CIT-HSP-2306A10.TF CIT-HSP Homo sapiens genomic clone 2306A10, genomic survey sequence.//0.39:212:61//AQ015785
- 45 F-NT2RP3003795//Human DNA sequence from clone 333H23 on chromosome 22q12.1-12.3. Contains the (possibly alternatively spliced) RPL3 gene for 60S Ribosomal Protein L3 and the threefold alternatively spliced gene for Synaptogyrin 1A, 1B and 1C (SYNGR1A, SYBGR1B, SYNGR1C), both genes downstream of a putative CpG island. Contains ESTs, an STS, GSSs, genomic marker D22S1155 and a ca repeat polymorphism, complete sequence.//4.2e-21:445:66//AL022326
- 50 F-NT2RP3003799//Homo sapiens DNA from chromosome 19-cosmids R31158, R31874, and R28125, genomic sequence, complete sequence.//1.0:257:63//AF038458
- F-NT2RP3003800//Mouse neuronal proto-oncogene c-src mRNA encoding tyrosine-specific protein kinase, complete cds.//1.2e-63:484:81//M17031
- 55 F-NT2RP3003805//Homo sapiens chromosome 19, cosmid R27377, complete sequence.//0.96:353:60//AC005321
- F-NT2RP3003809//Bovine herpesvirus 1 complete genome.//7.2e-12:615:60//AJ004801
- F-NT2RP3003819

F-NT2RP3003825  
 F-NT2RP3003828//Human rRNA primary transcript internal transcribed spacer 2 (ITS2).//6.2e-16:543:62//X17626  
 F-NT2RP3003831//RPCI11-50N15.TJ RPCI11 Homo sapiens genomic clone R-50N15, genomic survey sequence.//1.1e-21:174:85//AQ082633  
 5 F-NT2RP3003833//Homo sapiens clones 24718 and 24825 mRNA sequence.//8.0e-47:242:98//AF070611  
 F-NT2RP3003842//RPCI11-44E5.TJ RPCI11 Homo sapiens genomic clone R-44E5, genomic survey sequence.//9.7e-25:143:97//AQ195884  
 F-NT2RP3003846//Homo sapiens mRNA for KIAA0725 protein, partial cds.//4.2e-36:335:68//AB018268  
 F-NT2RP3003870//Homo sapiens mRNA for KIAA0800 protein, complete cds.//4.1e-174:805:99//AB018343  
 10 F-NT2RP3003876//Rattus norvegicus Rabin3 mRNA, complete cds.//2.7e-109:709:84//U19181  
 F-NT2RP3003914//Drosophila melanogaster UDP-glucose:glycoprotein glucosyltransferase mRNA, complete cds.//8.9e-11:193:70//U20554  
 F-NT2RP3003918//Homo sapiens VAMP-associated protein of 33 kDa (VAP-33) mRNA, complete cds.//2.6e-47:404:77//AF057358  
 15 F-NT2RP3003932//Plasmodium falciparum 3D7 chromosome 12 PFYAC1383 genomic sequence, WORKING DRAFT SEQUENCE, 3 unordered pieces.//0.68:597:55//AC005504  
 F-NT2RP3003989//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 404H4, WORKING DRAFT SEQUENCE.//0.37:548:56//AL031661  
 F-NT2RP3003992//Human cGMP-gated cation channel beta subunit (CNCG2) mRNA, complete cds.//0.021:433:58//U58837  
 20 F-NT2RP3004013//M.musculus Spnr mRNA for RNA binding protein.//1.4e-164:838:94//X84692  
 F-NT2RP3004016//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1018K9, WORKING DRAFT SEQUENCE.//0.00042:356:62//AL031726  
 F-NT2RP3004041//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 809F4, WORKING DRAFT SEQUENCE.//6.8e-112:627:82//AL022400  
 25 F-NT2RP3004051//Human mRNA for KIAA0319 gene, complete cds.//2.2e-61:774:67//AB002317  
 F-NT2RP3004070//Homo sapiens DNA sequence from PAC 352A20 on chromosome 6q24.1-25.1. Contains a pseudogene similar to yeast, bacterial, worm and slime mold hypothetical genes, and a gene coding for an aldehyde dehydrogenase family protein. Contains ESTs, STSs and GSSs, complete sequence.//7.9e-17:484:62//AL021939  
 30 F-NT2RP3004078//M.musculus (BALB/c) MRFX2 mRNA.//1.9e-102:684:83//X76089  
 F-NT2RP3004093//F24P17-Sp6 IGF Arabidopsis thaliana genomic clone F24P17, genomic survey sequence.//0.021:207:63//B09433  
 F-NT2RP3004095//Homo sapiens clone NH0486I22, WORKING DRAFT SEQUENCE, 5 unordered pieces.//3.5e-25:272:77//AC005038  
 35 F-NT2RP3004110//Homo sapiens DNA from chromosome 19, BAC 33152, complete sequence.//8.6e-28:223:73//AC003973  
 F-NT2RP3004125//Homo sapiens TTF-I interacting peptide 20 mRNA, partial cds.//2.2e-28:637:63//AF000560  
 F-NT2RP3004145  
 F-NT2RP3004148  
 40 F-NT2RP3004155//Homo sapiens timing protein CLK-1 mRNA, complete cds.//6.5e-120:578:98//AF032900  
 F-NT2RP3004189//M.musculus tex292 mRNA (5'region).//1.1e-06:102:82//X80434  
 F-NT2RP3004206//D.melanogaster cm mRNA.//7.3e-69:715:71//X58374  
 F-NT2RP3004207//Mouse mRNA for seizure-related gene product 6 type 2 precursor, complete cds.//4.8e-42:650:66//D64009  
 45 F-NT2RP3004209//Human cosmid Q7A10 (D21S246) insert DNA, complete sequence.//8.4e-55:184:84//D42052  
 F-NT2RP3004215//Homo sapiens chromosome 5, Pac clone 9c13 (LBNL H127), complete sequence.//0.22:458:60//AC006084  
 F-NT2RP3004242//Caenorhabditis elegans cosmid ZK632, complete sequence.//1.6e-29:409:69//Z22181  
 F-NT2RP3004246//Homo sapiens chromosome 10 clone CIT987SK-1010K1 map 10q25, complete sequence.//3.6e-117:242:100//AC005385  
 50 F-NT2RP3004253//H.sapiens 28S rRNA V8 region (LAN5-6).//2.6e-12:589:59//X69353  
 F-NT2RP3004258//Rattus norvegicus Zis mRNA, complete cds.//1.2e-88:489:91//AF013967  
 F-NT2RP3004262//Homo sapiens heat shock protein hsp40-3 mRNA, complete cds.//3.1e-153:733:98//AF088982  
 F-NT2RP3004282//Homo sapiens torsinA (DYT1) mRNA, complete cds.//1.3e-24:597:61//AF007871  
 55 F-NT2RP3004332  
 F-NT2RP3004334//L.esculentum gene for fruit ripening polygalacturonase.//0.23:501:57//X80908  
 F-NT2RP3004341//Human DNA sequence from clone 503G16 on chromosome 6p23 Contains EST, CpG island, complete sequence.//0.0014:198:66//Z93020

- F-NT2RP3004348//R.norvegicus mRNA for cytosolic resiniferatoxin-binding protein.//1.4e-103:600:82//X67877  
 F-NT2RP3004349//Homo sapiens Xp22 BAC GS-321G17 (Genome Systems Human BAC library) complete sequence.//5.1e-49:480:75//AC004025  
 F-NT2RP3004378//Drosophila melanogaster; Chromosome 2R; Region 47F1-47F7; P1 clone DS02304, WORK-  
 5 ING DRAFT SEQUENCE, 5 unordered pieces.//1.8e-23 :352:67//AC005653  
 F-NT2RP3004399//H.sapiens mRNA for leucine-rich primary response protein 1.//7.2e-140:804:90//X97249  
 F-NT2RP3004424//Mus musculus mRNA for nuclear protein SA3.//6.8e-53:413:81//AJ005678  
 F-NT2RP3004428//Salmo salar DNA for a cryptic repeat.//3.2e-07:270:63//AJ012206  
 F-NT2RP3004451//RPCI11-51J15.TK RPCI11 Homo sapiens genomic clone R-51J15, genomic survey se-  
 10 quence.//8.8e-19:180:82//AQ052326  
 F-NT2RP3004454//Homo sapiens mRNA for KIAA0448 protein, complete cds.//6.2e-123:583:99//AB007917  
 F-NT2RP3004466//HS\_3038\_B2\_F08\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3038 Col=16 Row=L, genomic survey sequence.//0.41:172:59//AQ102458  
 F-NT2RP3004470//H.sapiens CpG island DNA genomic MseI fragment, clone 81a11, reverse read  
 15 cpg81a11.rt1a.//7.0e-25:148:96//Z56029  
 F-NT2RP3004472//RPCI11-42M5.TJ RPCI11 Homo sapiens genomic clone R-42M5, genomic survey sequence.//  
 1.6e-20:143:92//AQ052792  
 F-NT2RP3004475//Homo sapiens mRNA for KIAA0456 protein, partial cds.//3.0e-150:715:98//AB007925  
 F-NT2RP3004480//Mus musculus maternal-embryonic 3 (Mem3) mRNA, complete cds.//1.0e-119:679:90//  
 20 U47024  
 F-NT2RP3004490//Homo sapiens mRNA for Musashi, complete cds.//7.1e-155:752:97//AB012851  
 F-NT2RP3004498//Homo sapiens clone DJ1147A01, WORKING DRAFT SEQUENCE, 25 unordered pieces.//  
 4.0e-67:265:84//AC006023  
 F-NT2RP3004503//Homo sapiens Xp22-132-134 BAC GSHB-590J15 (Genome Systems Human BAC library)  
 25 complete sequence.//1.2e-55:415:78//AC004673  
 F-NT2RP3004504//M.musculus mRNA for CPEB protein.//2.0e-110:618:91//Y08260  
 F-NT2RP3004507//Homo sapiens chromosome 19, cosmid R26660, complete sequence.//9.3e-46:433:76//  
 AC005328  
 F-NT2RP3004527//Homo sapiens mRNA; transcriptional unit N144, 5' end.//1.1e-100:508:97//AJ002574  
 30 F-NT2RP3004534//Mouse oncogene (ect2) mRNA, complete cds.//2.0e-93:442:84//L11316  
 F-NT2RP3004539//Homo sapiens mRNA for KIAA0632 protein, partial cds.//8.5e-145:679:98//AB014532  
 F-NT2RP3004544//Homo sapiens mRNA for KIAA0554 protein, partial cds.//2.8e-169:793:98//AB011126  
 F-NT2RP3004566//Mus musculus kruppel-related zinc finger protein (Emzf1) mRNA, complete cds.//6.9e-18:433:  
 64//AF031955  
 35 F-NT2RP3004569//CITBI-E1-2522H6.TF CITBI-E1 Homo sapiens genomic clone 2522H6, genomic survey se-  
 quence.//5.3e-15:138:84//AQ280780  
 F-NT2RP3004572//Homo sapiens cofactor of initiator function (CIF150) mRNA, complete cds.//1.0e-179:860:97//  
 AF026445  
 F-NT2RP3004578//Homo sapiens mRNA for KIAA0477 protein, complete cds.//4.2e-150:711:98//AB007946  
 40 F-NT2RP3004594//Homo sapiens mRNA for AND-1 protein.//1.1e-158:796:95//AJ006266  
 F-NT2RP3004617//Homo sapiens clone DJ1152C17, WORKING DRAFT SEQUENCE, 1 unordered pieces.//9.3e-  
 14:360:65//AC004977  
 F-NT2RP3004618//Oryctolagus cuniculus translation initiation factor eIF2C mRNA, complete cds.//2.9e-52:539:  
 73//AF005355  
 45 F-NT2RP3004669//Brn-3a=class V POU transcription factor [mice, CD/CD, embryo fibroblast cells, Genomic, 2160  
 nt].//0.046:437:57//S69350  
 F-NT2RP3004670//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 356B8, WORKING  
 DRAFT SEQUENCE.//1.9e-05:625:59//Z98882  
 F-NT2RP4000008//Homo sapiens chromosome X, clone hCIT.200\_L\_4, complete sequence.//1.5e-155:844:92//  
 50 AC006121  
 F-NT2RP4000023//Arabidopsis thaliana genomic DNA, chromosome 5, TAC clone: K24G6, complete sequence.//  
 0.012:417:59//AB012242  
 F-NT2RP4000035//Homo sapiens BAC clone NH0353P23 from 2, complete sequence.//8.0e-18:242:74//  
 AC005035  
 55 F-NT2RP4000049//Homo sapiens decoy receptor 2 mRNA, complete cds.//2.1e-81:556:85//AF029761  
 F-NT2RP4000051//Mus musculus mRNA for cartilage-associated protein (CASP).//1.6e-19:654:63//AJ006469  
 F-NT2RP4000078//Homo sapiens mRNA for NS1-binding protein (NS1-BP).//2.5e-149:720:97//AJ012449  
 F-NT2RP4000102//Plasmodium falciparum MAL3P2, complete sequence.//0.28:336:57//AL034558

- F-NT2RP4000109//Homo sapiens mRNA for MEGF5, partial cds.//4.4e-166:774:99//AB011538  
 F-NT2RP4000111//B.taurus mRNA for cleavage and polyadenylation specificity factor.//2.6e-137:678:91//X75931  
 F-NT2RP4000129//Homo sapiens mRNA for KIAA0483 protein, partial cds.//3.3e-114:548:98//AB007952  
 5 F-NT2RP4000147//Rattus norvegicus ADP-ribosylation factor-directed GTPase activating protein mRNA, complete cds.//1.2e-104:677:85//U35776  
 F-NT2RP4000150//Rat proto-oncogene (Ets-1) mRNA, complete cds.//7.2e-54:327:74//L20681  
 F-NT2RP4000151//Homo sapiens clone 664 unknown mRNA, partial sequence.//2.2e-62:360:92//AF091088  
 F-NT2RP4000159//RPCI11-75N16.TJ RPCI11 Homo sapiens genomic clone R-75N16, genomic survey sequence.//2.6e-19:119:98//AQ267551  
 10 F-NT2RP4000167//Homo sapiens Xp22-150 BAC GSHB-309P15 (Genome Systems Human BAC Library) complete sequence.//3.3e-49:683:67//AC006210  
 F-NT2RP4000185//Homo sapiens clone DT1P1E11 mRNA, CAG repeat region.//1.1e-99:543:93//U92989  
 F-NT2RP4000210//Homo sapiens mRNA for KIAA0700 protein, partial cds.//4.9e-174:825:98//AB014600  
 F-NT2RP4000212//, complete sequence.//4.0e-131:233:94//AC005300  
 15 F-NT2RP4000214//Homo sapiens chromosome 19, CIT-HSP-444n24, complete sequence.//1.8e-161:751:99//AC005261  
 F-NT2RP4000218//RPCI11-69B7.TJ RPCI11 Homo sapiens genomic clone R-69B7, genomic survey sequence.//1.7e-84:413:98//AQ268504  
 F-NT2RP4000243//Homo sapiens mRNA for cartilage-associated protein (CASP).//2.6e-156:771:97//AJ006470  
 20 F-NT2RP4000246//Mus musculus neural variant mena+++ protein (Mena) mRNA, complete cds.//2.1e-120:707:87//U72523  
 F-NT2RP4000259//Homo sapiens clone 683 unknown mRNA, complete sequence.//2.8e-128:604:99//AF091092  
 F-NT2RP4000263//CIT-HSP-2336N24.TF CIT-HSP Homo sapiens genomic clone 2336N24, genomic survey sequence.//0.27:124:69//AQ043515  
 25 F-NT2RP4000290//S.cerevisiae chromosome XIV reading frame ORF YNL132w.//8.6e-32:619:63//Z71408  
 F-NT2RP4000312//Human mRNA for KIAA0147 gene, partial cds.//4.7e-41:685:63//D63481  
 F-NT2RP4000321//Mus musculus transcription factor HOXA13 (Hoxa13) gene, complete cds.//6.9e-05:756:59//U59322  
 F-NT2RP4000323  
 30 F-NT2RP4000355  
 F-NT2RP4000360//Homo sapiens mRNA for KIAA0738 protein, complete cds.//2.0e-140:654:99//AB018281  
 F-NT2RP4000367//Homo sapiens IkappaB kinase complex associated protein (IKAP) mRNA, complete cds.//2.6e-135:649:97//AF044195  
 F-NT2RP4000370//Rickettsia prowazekii strain Madrid E, complete genome; segment 3/4.//2.0e-23:524:62//AJ235272  
 35 F-NT2RP4000376//Sequence 1 from patent US 5580968.//1.6e-115:716:87//I30536  
 F-NT2RP4000381//Mus musculus mRNA for hepatoma-derived growth factor, complete cds, strain:BALB/c.//4.3e-05:450:58//D63850  
 F-NT2RP4000398//Homo sapiens chromosome 19, BAC CIT-B-393i15 (BC301323), complete sequence.//9.2e-37:336:69//AC006116  
 40 F-NT2RP4000415//Caenorhabditis elegans cosmid C42D8.//0.30:222:60//U56966  
 F-NT2RP4000417//Drosophila melanogaster cosmid clone 86E4.//1.8e-48:580:69//AL021086  
 F-NT2RP4000424//Homo sapiens chromosome 17, clone HRPC41C23, complete sequence.//1.6e-42:265:81//AC003101  
 45 F-NT2RP4000448//CIT-HSP-2370F8.TF CIT-HSP Homo sapiens genomic clone 2370F8, genomic survey sequence.//2.0e-56:287:98//AQ110194  
 F-NT2RP4000449//CIT-HSP-2366N18.TR CIT-HSP Homo sapiens genomic clone 2366N18, genomic survey sequence.//2.4e-42:236:95//AQ076183  
 F-NT2RP4000455//Homo sapiens PAC clone 166H1 from 12q, complete sequence.//0.17:158:67//AC003982  
 50 F-NT2RP4000457//H.sapiens mRNA for herpesvirus associated ubiquitin-specific protease (HAUSP).//0.00034:532:57//Z72499  
 F-NT2RP4000480//Rhodothermus marinus R-21 DNA ligase gene, complete cds.//0.0094:616:58//U10483  
 F-NT2RP4000481  
 F-NT2RP4000498//S.cerevisiae chromosome IX cosmid 9150.//5.7e-24:633:60//Z38125  
 55 F-NT2RP4000500//G.gallus mRNA for LRP/alpha-2-macroglobulin receptor.//2.4e-62:667:73//X74904  
 F-NT2RP4000515  
 F-NT2RP4000517//Homo sapiens chromosome 18, clone hRPK.474\_N\_24, complete sequence.//1.6e-179:851:98//AC006238

- F-NT2RP4000518//Homo sapiens mRNA for ATP-dependent RNA helicase, partial//6.7e-33:203:93//AJ010840  
 F-NT2RP4000519//Mus musculus tyrosine kinase growth factor receptor (Etk2/tyro3) gene, alternative 5' coding exon 2C//0.26:162:61//U23720  
 F-NT2RP4000524//Rattus norvegicus rsec8 mRNA, partial cds//1.2e-139:809:89//U32498  
 5 F-NT2RP4000528//Caenorhabditis elegans cosmid F59E12//1.0e-06:404:59//AF003386  
 F-NT2RP4000541//Drosophila melanogaster DNA sequence (P1 DS02109 (D53)), complete sequence//1.3e-05:498:58//AC002443  
 F-NT2RP4000556//Sequence 1 from Patent EP 0285405//1.2e-18:586:61//I05465  
 F-NT2RP4000560//Murine genomic DNA; partially digested Sau3A fragment, cloned into cosmid vector pEMBLcos2, complete sequence//2.5e-53:183:82//AF059580  
 10 F-NT2RP4000588//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 414D7, WORKING DRAFT SEQUENCE//0.00062:253:65//AL033543  
 F-NT2RP4000614//Homo sapiens TLS-associated protein TASR-2 mRNA, complete cds//3.2e-138:666:98//AF067730  
 15 F-NT2RP4000638//HS\_3042\_B2\_D05\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3042 Col=10 Row=H, genomic survey sequence//3.0e-06:78:89//AQ099333  
 F-NT2RP4000648//Homo sapiens KNSL4 and MAZ genes for kinesin-like DNA binding protein and Myc-associated zinc finger protein, complete cds//1.9e-11:104:85//AB017335  
 F-NT2RP4000657//Mus musculus bone morphogenetic factor 11 (Bmp11) gene, exon 1//0.34:350:62//AF100904  
 20 F-NT2RP4000704//Homo sapiens mRNA expressed in 19week fetal lung, clone IMAGE:300856//3.3e-167:785:99//AB004852  
 F-NT2RP4000713//Gallus gallus atonal homolog 1 (Cath1) gene, complete cds//3.7e-07:261:65//U61149  
 F-NT2RP4000724//Human endogenous retrovirus env mRNA//9.2e-136:474:89//X82272  
 F-NT2RP4000728//Homo sapiens mRNA for KIAA0606 protein, partial cds//3.1e-41:350:71//AB011178  
 25 F-NT2RP4000737//Myxococcus xanthus ATP-dependent protease (bsgA) gene, complete cds//1.0:504:58//L19301  
 F-NT2RP4000739//CIT-HSP-2010O22.TR CIT-HSP Homo sapiens genomic clone 2010O22, genomic survey sequence//1.1e-24:161:93//B57903  
 F-NT2RP4000781//Homo sapiens clone DJ0892G19, complete sequence//0.052:493:58//AC004917  
 30 F-NT2RP4000787//Cricetulus griseus SRD-2 mutant sterol regulatory element binding protein-2 (SREBP-2) mRNA, complete cds//9.6e-18:259:68//U22818  
 F-NT2RP4000817//Homo sapiens mRNA for KIAA0470 protein, complete cds//1.5e-174:816:98//AB007939  
 F-NT2RP4000833//Homo sapiens PAC clone DJ0905J08 from 7p12-p14, complete sequence//0.97:52:92//AC005189  
 35 F-NT2RP4000837//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1112F19, WORKING DRAFT SEQUENCE//2.1e-128:644:97//AL034420  
 F-NT2RP4000839//RPC111-6D8.TP RPC1-11 Homo sapiens genomic clone RPC1-11-6D8, genomic survey sequence//1.5e-44:281:91//B48216  
 F-NT2RP4000855//Rattus norvegicus mRNA for aminopeptidase-B, complete cds//9.5e-43:722:64//D87515  
 40 F-NT2RP4000865//Human zinc finger protein ZNF136//6.8e-95:415:78//U09367  
 F-NT2RP4000878//Mus musculus mRNA for myeloid associated differentiation protein//7.0e-87:646:80//AJ001616  
 F-NT2RP4000879//N.tabaccum mRNA for ubiquitin activating enzyme E1//9.0e-17:806:58//Y10804  
 F-NT2RP4000907//Mouse NLRR-1 mRNA for leucine-rich-repeat protein, complete cds//6.8e-153:934:86//D45913  
 45 F-NT2RP4000915//Homo sapiens mRNA for ZNF198 protein//9.4e-79:584:78//AJ224901  
 F-NT2RP4000918//Drosophila melanogaster DNA sequence (P1 DS04106 (D172)), complete sequence//2.0e-08:609:58//AC004290  
 F-NT2RP4000925//Rattus norvegicus Shal-related potassium channel Kv4.3 mRNA, complete cds//3.5e-64:415:87//U42975  
 50 F-NT2RP4000927//H.sapiens genomic DNA (chromosome 3; clone NRL062R)//0.75:175:62//X87547  
 F-NT2RP4000928//Homo sapiens CDP-diacylglycerol synthase 2 (CDS2) mRNA, partial cds//3.5e-163:781:97//AF069532  
 F-NT2RP4000929//Plasmodium falciparum 3D7 chromosome 12 PFYAC69 genomic sequence WORKING DRAFT SEQUENCE, 4 unordered pieces//0.94:763:56//AC004688  
 55 F-NT2RP4000955//Homo sapiens clone DJ0919J22, WORKING DRAFT SEQUENCE, 34 unordered pieces//1.0e-128:673:96//AC005519  
 F-NT2RP4000973//Caenorhabditis elegans cosmid Y47H9C, complete sequence//1.6e-15:255:69//AL032657

F-NT2RP4000975//CIT-HSP-230716.TF CIT-HSP Homo sapiens genomic clone 230716, genomic survey sequence.//6.5e-31:317:79//AQ015742  
 F-NT2RP4000979//Human bullous pemphigoid antigen mRNA, 3' end.//0.88:54:90//M22942  
 F-NT2RP4000984//Rhodobacter sphaeroides mRNA.//0.76:214:64//M83823  
 5 F-NT2RP4000989//F.rubripes GSS sequence, clone 011A11aE12, genomic survey sequence.//1.0:149:65//AL010911  
 F-NT2RP4000996//Penaeus setiferus microsatellite Pse017 repeat region.//3.3e-08:139:74//AF047358  
 F-NT2RP4000997//Rattus norvegicus RNA polymerase I 127 kDa subunit mRNA, complete cds.//3.6e-126:824:84//AF025424  
 10 F-NT2RP4001004  
 F-NT2RP4001006//Mus musculus ROSA 26 transcription AS ROSA26AS mRNA, complete cds.//1.4e-110:861:78//U83176  
 F-NT2RP4001010//Rattus norvegicus PSD-95/SAP90-associated protein-4 mRNA, complete cds.//2.0e-135:789:89//U67140  
 15 F-NT2RP4001029//Mus domesticus nuclear binding factor NF2d9 mRNA, complete cds.//3.7e-120:718:88//U20086  
 F-NT2RP4001041//Schizosaccharomyces pombe mRNA, partial cds, clone: SY 0717.//4.1e-22:452:64//D89170  
 F-NT2RP4001057  
 F-NT2RP4001064//Mus musculus mRNA for cartilage-associated protein (CASP).//1.2e-20:639:62//AJ006469  
 20 F-NT2RP4001078//Streptomyces coelicolor cosmid 1C2.//0.0025:474:59//AL031124  
 F-NT2RP4001079//Rat alternatively spliced mRNA.//1.4e-141:832:88//M93018  
 F-NT2RP4001080//H.sapiens PTB-4 gene for polypirimidine tract binding protein.//9.0e-64:628:70//X65372  
 F-NT2RP4001086//Homo sapiens mRNA for KIAA0592 protein, partial cds.//4.7e-84:604:86//AB011164  
 F-NT2RP4001095  
 25 F-NT2RP4001100//CITBI-E1-2503J7.TR CITBI-E1 Homo sapiens genomic clone 2503J7, genomic survey sequence.//9.4e-17:185:79//AQ263402  
 F-NT2RP4001117//Canis familiaris sec61 homologue mRNA, complete cds.//1.0e-143:760:87//M96629  
 F-NT2RP4001122  
 F-NT2RP4001126//Homo sapiens shox gene, alternatively spliced products, complete cds.//4.2e-17:636:61//U82668  
 30 F-NT2RP4001138//Homo sapiens PAC clone DJ1121E10 from 7q21.1-q2, complete sequence.//2.5e-23:408:60//AC004969  
 F-NT2RP4001143//Sequence 5 from patent US 5753432.//1.8e-39:276:86//AR008079  
 F-NT2RP4001148//Homo sapiens clone RG332P12, WORKING DRAFT SEQUENCE, 1 unordered pieces.//2.7e-116:684:89//AC005095  
 35 F-NT2RP4001149//Mouse mRNA for thymic epithelial cell surface antigen, complete cds.//3.0e-48:581:66//D67067  
 F-NT2RP4001150//Homo sapiens clone DJ1032D07, WORKING DRAFT SEQUENCE, 3 unordered pieces.//9.4e-25:193:67//AC004952  
 40 F-NT2RP4001159//Human FMR1 gene, 5' end.//0.28:130:66//L19476  
 F-NT2RP4001174//FMR1 {CGG repeats} [human, Fragile X syndrome patient, Genomic, 429 nt].//0.0014:187:67//S74494  
 F-NT2RP4001206//Dictyostelium discoideum random slug cDNA19 protein (rsc19) mRNA, partial cds.//0.032:453:58//U82511  
 45 F-NT2RP4001207//HS\_2248\_A1\_C03\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2248 Col=5 Row=E, genomic survey sequence.//0.00018:58:94//AQ192358  
 F-NT2RP4001210//Homo sapiens chromosome 10 clone CIT987SK-1019O18 map 10p11.2-10p12.1, complete sequence.//0.93:515:58//AC005877  
 F-NT2RP4001213//Human KRAB zinc finger protein (ZNF177) mRNA, splicing variant, complete cds.//3.6e-44:187:74//U37251  
 50 F-NT2RP4001219//Caenorhabditis elegans cosmid Y47H9C, complete sequence.//1.3e-15:288:67//AL032657  
 F-NT2RP4001228//Homo sapiens actin binding protein MAYVEN mRNA, complete cds.//2.2e-26:855:60//AF059569  
 F-NT2RP4001235//RPCI11-18E11.TVB RPCI-11 Homo sapiens genomic clone RPCI-11-18E11, genomic survey sequence.//2.7e-15:101:98//B88081  
 55 F-NT2RP4001256//Amycolatopsis mediterranei 3-amino-5-hydroxy benzoic acid synthase (rifD) gene, complete cds.//1.0:459:59//U33061  
 F-NT2RP4001260//Sequence 2 from Patent WO9601901.//0.0018:246:63//A48324

- F-NT2RP4001274//Homo sapiens, complete sequence.//2.5e-05:201:67//AC005854  
 F-NT2RP4001276//CIT-HSP-2324B15.TF CIT-HSP Homo sapiens genomic clone 2324B15, genomic survey sequence.//3.5e-18:138:92//AQ040728  
 5 F-NT2RP4001313//Homo sapiens mitochondrial outer membrane protein (TOM40) mRNA, nuclear gene encoding mitochondrial protein, complete cds.//7.4e-30:535:65//AF043250  
 F-NT2RP4001315//Bos taurus mRNA for Rab5 GDP/GTP exchange factor, Rabex5.//3.5e-145:795:91//AJ001119  
 F-NT2RP4001336//CIT-HSP-2169F21.TR CIT-HSP Homo sapiens genomic clone 2169F21, genomic survey sequence.//8.4e-16:109:94//B89870  
 10 F-NT2RP4001339//HS\_3205\_B1\_E08\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3205 Col=15 Row=J, genomic survey sequence.//7.1e-24:305:73//AQ183725  
 F-NT2RP4001343//Homo sapiens PAC clone DJ0894A10 from 7q32-q32, complete sequence.//1.9e-17:106:91//AC004918  
 F-NT2RP4001345//G.gallus mRNA for lecithin-cholesterol acyltransferase.//7.6e-40:631:66//X91011  
 15 F-NT2RP4001351//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 184J9, WORKING DRAFT SEQUENCE.//2.7e-30:608:64//AL031428  
 F-NT2RP4001353//Streptomyces coelicolor cosmid 5A7.//0.23:540:57//AL031107  
 F-NT2RP4001372//RPCI11-49L11.TJ RPCI11 Homo sapiens genomic clone R-49L11, genomic survey sequence.//8.5e-23:129:100//AQ051701  
 F-NT2RP4001373//G.gallus genomic DNA repeat region, clone 16E1.//0.15:213:61//X78609  
 20 F-NT2RP4001375  
 F-NT2RP4001379//Homo sapiens chromosome 17, clone hRPK.311\_F\_12, complete sequence.//7.3e-28:153:88//AC005722  
 F-NT2RP4001389//Homo sapiens PAC clone DJ0740D02 from 7p14-p15, complete sequence.//7.2e-47:518:73//AC004691  
 25 F-NT2RP4001407//P.falciparum glutamic acid-rich protein gnen, complete cds.//0.00079:686:57//J03998  
 F-NT2RP4001414//Human mRNA for KIAA0202 gene, partial cds.//2.0e-76:818:71//D86957  
 F-NT2RP4001433//H.sapiens HZF10 mRNA for zinc finger protein.//3.5e-87:839:73//X78933  
 F-NT2RP4001442  
 F-NT2RP4001447//Homo sapiens mRNA for KIAA0783 protein, complete cds.//0.21:218:63//AB018326  
 30 F-NT2RP4001474//Human NotI linking clone 924A058R, genomic survey sequence.//7.6e-14:109:90//U49884  
 F-NT2RP4001483//Human mRNA for 2-oxoglutarate dehydrogenase, complete cds.//2.5e-59:480:75//D10523  
 F-NT2RP4001498//Homo sapiens huntingtin interacting protein HYPH mRNA, partial cds.//9.7e-39:392:72//AF049612  
 F-NT2RP4001502//H.sapiens (D8S135) DNA segment containing GT repeat.//2.7e-24:147:96//X61693  
 35 F-NT2RP4001507//Plasmid pSB24.2 (from S.cyanogenus) neomycin resistance protein gene, complete cds.//0.87:583:58//M32513  
 F-NT2RP4001524//Plasmodium falciparum 3D7 chromosome 12 PFYAC492 genomic sequence, WORKING DRAFT SEQUENCE, 5 unordered pieces.//0.93:394:58//AC005308  
 F-NT2RP4001529//Mus domesticus nuclear binding factor NF2d9 mRNA, complete cds.//3.1e-143:820:89//U20086  
 40 F-NT2RP4001547//S.cerevisiae chromosome XIV reading frame ORF YNR048w.//2.2e-05:319:61//Z71663  
 F-NT2RP4001551//S.pombe chromosome II p1 p8B7.//0.64:335:60//AL032684  
 F-NT2RP4001555//Homo sapiens 12q24.2 BAC RPCI11-360E11 (Roswell Park Cancer Institute Human BAC Library) complete sequence.//1.0:309:58//AC004806  
 45 F-NT2RP4001567//HS\_2166\_B1\_C07\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2166 Col=13 Row=F, genomic survey sequence.//0.99:188:59//AQ086290  
 F-NT2RP4001568//Human mRNA for KIAA0167 gene, complete cds.//7.0e-53:566:72//D79989  
 F-NT2RP4001571//RPCI11-21F20.TP RPCI-11 Homo sapiens genomic clone RPCI-11-21F20, genomic survey sequence.//2.8e-19:119:97//B85885  
 50 F-NT2RP4001574//B.primigenius mRNA for coat protein gamma-cop.//5.8e-129:813:85//X92987  
 F-NT2RP4001575//Rattus norvegicus mRNA for ARE1 protein.//3.4e-131:795:86//AJ223830  
 F-NT2RP4001592//S.aureus gene for isoleucyl-tRNA synthetase.//1.3e-14:663:59//X74219  
 F-NT2RP4001610//Homo sapiens Xp22 Cosmids U15E4, U115H5, U132E12, U115B9 (Lawrence Livermore human cosmid library) complete sequence.//6.4e-10:135:73//AC002364  
 55 F-NT2RP4001614//HS\_3042\_B2\_D05\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3042 Col=10 Row=H, genomic survey sequence.//3.4e-06:78:89//AQ099333  
 F-NT2RP4001634  
 F-NT2RP4001638//cSRL-161F1-u cSRL flow sorted Chromosome 11 specific cosmid Homo sapiens genomic



clone cSRL-161FI, genomic survey sequence.//4.9e-12:144:76//B02870  
 F-NT2RP4001644//M.musculus mRNA for map kinase interacting kinase, Mnk2.//3.8e-69:437:86//Y11092  
 F-NT2RP4001656//HS\_2013\_A1\_D01\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=2013 Col=1 Row=G, genomic survey sequence.//2.0e-30:207:89//AQ224793  
 5 F-NT2RP4001677//Hylobates lar huntingtin gene, partial exon.//0.23:105:71//L49362  
 F-NT2RP4001679//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 462O23, WORKING  
 DRAFT SEQUENCE.//2.7e-45:351:84//AL031431  
 F-NT2RP4001696//Human chromosome 8 BAC clone CIT987SK-2A8 complete sequence.//1.8e-30:163:88//  
 U96629  
 10 F-NT2RP4001725//Drosophila melanogaster DNA sequence (P1 DS08860 (D181)), complete sequence.//1.1e-  
 13:402:63//AC004296  
 F-NT2RP4001730//RPCI11-37M21.TK RPCI-11 Homo sapiens genomic clone RPCI-11-37M21, genomic survey  
 sequence.//0.88:177:67//AQ029840  
 F-NT2RP4001739  
 15 F-NT2RP4001753//H.sapiens telomeric DNA sequence, clone 12QTEL023, read 12QTELOO023.seq.//4.9e-36:  
 192:98//Z96232  
 F-NT2RP4001760//Mouse oncogene (ect2) mRNA, complete cds.//2.3e-140:866:86//L11316  
 F-NT2RP4001790//Homo sapiens clone NH0569124, complete sequence.//1.4e-29:327:74//AC005678  
 F-NT2RP4001803  
 20 F-NT2RP4001822//Homo sapiens tetraspan TM4SF (TSPAN-4) mRNA, complete cds.//1.0e-16:576:60//  
 AF054841  
 F-NT2RP4001823//Human DNA sequence from clone 181C9 on chromosome 22q13.2-13.33. Contains a PHAPI2  
 Leucine Rich Acidic Nuclear Protein pseudogene, part of a putative novel gene, ESTs, STSs and GSSs, complete  
 sequence.//2.1e-08:601:59//Z98743  
 25 F-NT2RP4001828  
 F-NT2RP4001838//Human mRNA for KIAA0071 gene, partial cds.//2.2e-53:555:73//D31888  
 F-NT2RP4001841  
 F-NT2RP4001849//Homo sapiens mRNA for KIAA0672 protein, complete cds.//1.7e-55:813:65//AB014572  
 F-NT2RP4001861//Human simple repeat polymorphism.//0.0014:145:66//M87691  
 30 F-NT2RP4001889//HS\_2052\_B1\_H06\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=2052 Col=11 Row=P, genomic survey sequence.//1.0e-23:187:86//AQ270425  
 F-NT2RP4001893//Homo sapiens BAC clone GS166A23 from 7p21, complete sequence.//7.3e-76:178:95//  
 AC005014  
 F-NT2RP4001896//T3B4TFC TAMU Arabidopsis thaliana genomic clone T3B4, genomic survey sequence.//0.99:  
 35 354:61//B26193  
 F-NT2RP4001901//Streptomyces griseus genes for Orf2, Orf3, Orf4, Orf5, AfsA, Orf8, partial and complete cds.//  
 0.031:409:60//AB011413  
 F-NT2RP4001927//HS\_2216\_B1\_D03\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=2216 Col=5 Row=H, genomic survey sequence.//4.9e-32:216:89//AQ184677  
 40 F-NT2RP4001938//Mus musculus zinc finger protein (Zfp64) mRNA, complete cds.//1.2e-83:709:79//U49046  
 F-NT2RP4001946//HS\_3021\_B2\_H10\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3021 Col=20 Row=P, genomic survey sequence.//7.6e-09:120:76//AQ133185  
 F-NT2RP4001950//Human DNA sequence from clone 353H6 on chromosome Xq25-26.2. Contains the alterna-  
 tively spliced SMARCA1 gene for SW1/SNF related, matrix associated, actin dependent regulator of chromatin,  
 45 subfamily a, member 1 (SNF2L1) and a 40S Ribosomal Protein S26 pseudogene. Contains ESTs, STSs and GSSs,  
 complete sequence.//2.1e-18:421:65//AL022577  
 F-NT2RP4001953//CIT-HSP-2294D14.TR CIT-HSP Homo sapiens genomic clone 2294D14, genomic survey se-  
 quence.//0.030:358:61//AQ005028  
 F-NT2RP4001966//Mus musculus DOC4 (Doc4) mRNA, complete cds.//2.5e-68:812:68//AF059485  
 50 F-NT2RP4001975//Homo sapiens chromosome 17, clone hCIT.91\_J\_4, complete sequence.//1.9e-57:555:75//  
 AC003976  
 F-NT2RP4002018//cSRL-143G4-u cSRL flow sorted Chromosome 11 specific cosmid Homo sapiens genomic  
 clone cSRL-143G4, genomic survey sequence.//8.9e-21:123:98//B01950 F-NT2RP4002047//Saccharomyces  
 cerevisiae chromosome XII cosmid 8003.//1.6e-29:520:64//U17243  
 55 F-NT2RP4002052//CIT-HSP-2045A15.TF CIT-HSP Homo sapiens genomic clone 2045A15, genomic survey se-  
 quence.//2.8e-22:137:96//B80243  
 F-NT2RP4002058//T20L11-T7 TAMU Arabidopsis thaliana genomic clone T20L11, genomic survey sequence.//  
 0.019:141:65//AQ248640

- F-NT2RP4002071//CIT-HSP-2314J9.TF CIT-HSP Homo sapiens genomic clone 2314J9, genomic survey sequence.//0.99:163:63//AQ027223
- F-NT2RP4002075//Caenorhabditis elegans DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y57G11, WORKING DRAFT SEQUENCE.//0.15:506:59//Z92841
- 5 F-NT2RP4002078//RPC111-73M20.TJ RPC111 Homo sapiens genomic clone R-73M20, genomic survey sequence.//4.8e-21:130:96//AQ269030
- F-NT2RP4002081//F.rubripes GSS sequence, clone 190O22bB9, genomic survey sequence.//0.0024:350:60//Z92062
- F-NT2RP4002083//M.musculus tex27 mRNA.//8.2e-77:456:89//X80437
- 10 F-NT2RP4002408//Caenorhabditis elegans serine/threonine kinase LET-502 (let-502) mRNA, complete cds.//3.7e-18:541:62//U85515
- F-NT2RP4002791
- F-NT2RP4002888//Homo sapiens BAC clone RG067E13 from 7q21, complete sequence.//4.7e-39:385:75//AC002383
- 15 F-NT2RP4002905//Homo sapiens chromosome 17, clone hRPC.842\_A\_23, complete sequence.//6.5e-91:672:83//AC004662
- F-NT2RP5003459//Human glyceraldehyde-3-phosphate dehydrogenase (GAPDH) mRNA, complete cds.//2.9e-37:193:99//M33197
- F-NT2RP5003461//Human DNA sequence from PAC 506G2 contains ESTs.//7.9e-51:300:80//Z82901
- 20 F-NT2RP5003477//Human Chromosome 3 pac pDJ70i11, WORKING DRAFT SEQUENCE, 2 unordered pieces.//6.7e-77:150:100//AC000380
- F-NT2RP5003492
- F-NT2RP5003500//Human DNA sequence from cosmid 97K10, between markers DXS6791 and DXS8038 on chromosome X contains STSs and CpG island.//1.7e-111:623:93//Z81365
- 25 F-NT2RP5003506//H.sapiens CpG island DNA genomic Mse1 fragment, clone 71h2, reverse read cpg71h2.rt1a.//1.4e-49:283:93//Z62703
- F-NT2RP5003512//HS\_3084\_A1\_D04\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3084 Col=7 Row=G, genomic survey sequence.//7.7e-18:117:95//AQ186312
- F-NT2RP5003522//Homo sapiens clone NH0479C13, WORKING DRAFT SEQUENCE, 12 unordered pieces.//3.8e-101:211:96//AC005236
- 30 F-NT2RP5003524//Homo sapiens beta-spectrin (HSpTB1) gene, exon 14 and partial cds.//0.00056:650:57//AF013178
- F-NT2RP5003534//H.sapiens CpG island DNA genomic Mse1 fragment, clone 14c10, forward read cpg14c10.ft1b.//0.00013:70:91//Z54631
- 35 F-OVARC1000001//Homo sapiens mRNA for KIAA0465 protein, partial cds.//1.2e-67:373:94//AB007934
- F-OVARC1000004//Homo sapiens chromosome 4 clone B368A9 map 4q25, complete sequence.//5.8e-93:518:81//AC005510
- F-OVARC1000006//Gallus gallus histone H2A (H2A-VIII) gene, complete cds.//9.1e-56:392:84//U38933
- F-OVARC1000013
- 40 F-OVARC1000014//Homo sapiens GLE1 (GLE1) mRNA, complete cds.//5.6e-170:815:98//AF058922
- F-OVARC1000017//Streptomyces glaucescens tcm operon.//0.37:347:60//M80674
- F-OVARC1000035//Homo sapiens GA17 protein mRNA, complete cds.//6.8e-36:238:89//AF064603
- F-OVARC1000058
- F-OVARC1000060//Homo sapiens ribonuclease 6 precursor, mRNA, complete cds.//2.5e-36:192:98//U85625
- 45 F-OVARC1000068//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 404K8, WORKING DRAFT SEQUENCE.//0.14:554:57//AL023883
- F-OVARC1000071//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 596C15, WORKING DRAFT SEQUENCE.//5.3e-104:197:100//AL031387
- F-OVARC1000085//Human DNA sequence from clone 191N21 on chromosome 6q27 Contains genes for PDCD2 (PROGRAMMED CELL DEATH-2/RP8 HOMOLOG), TATA factor (TFIID), proteasome subunit HC5, EST, STS, GSS, complete sequence.//1.6e-116:588:96//AL031259
- 50 F-OVARC1000087//HS\_2004\_B2\_E11\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2004 Col=22 Row=J, genomic survey sequence.//7.1e-11:94:94//AQ221037
- F-OVARC1000091//nbxb0020P17r CUGI Rice BAC Library Oryza sativa genomic clone nbxb0020P17r, genomic survey sequence.//5.2e-05:238:64//AQ258489
- 55 F-OVARC1000092//Homo sapiens chromosome Y, clone 264,M,20, complete sequence.//1.1e-10:720:58//AC004617
- F-OVARC1000106//HS\_3212\_B2\_G12\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-

nomic clone Plate=3212 Col=24 Row=N, genomic survey sequence.//9.9e-05:141:73//AQ175369  
 F-OVARC1000109  
 F-OVARC1000113//Homo sapiens okadaic acid-inducible phosphoprotein (OA48-18) mRNA, complete cds.//1.6e-133:663:96//AF069250  
 5 F-OVARC1000114//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1111N9, WORKING DRAFT SEQUENCE.//2.3e-51:547:70//AL022574  
 F-OVARC1000133//Homo sapiens clone GS512121, WORKING DRAFT SEQUENCE, 9 unordered pieces.//0.62:349:61//AC005027  
 F-OVARC1000139//Caenorhabditis elegans cosmid F09D1.//2.5e-18:314:64//AF040640  
 10 F-OVARC1000145//HS\_2257\_B2\_D11\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2257 Col=22 Row=H, genomic survey sequence.//5.8e-30:203:90//AQ304854  
 F-OVARC1000148//CIT-HSP-2345A22.TR CIT-HSP Homo sapiens genomic clone 2345A22, genomic survey sequence.//1.1e-26:146:100//AQ056703  
 F-OVARC1000151//Sequence 1 from patent US 5665588.//2.6e-61:677:70//I64695  
 15 F-OVARC1000168//Homo sapiens chromosome 19, cosmid R31343, complete sequence.//4.9e-19:381:63//AC005764  
 F-OVARC1000191//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from MAL4P1, WORKING DRAFT SEQUENCE.//1.3e-06:745:57//AL034557  
 F-OVARC1000198//\*\*\* SEQUENCING IN PROGRESS \*\*\* Homo sapiens chromosome 4, BAC clone C0366H07; HTGS phase 1, WORKING DRAFT SEQUENCE, 28 unordered pieces.//6.4e-161:781:97//AC004604  
 20 F-OVARC1000209//Oryza sativa submergence induced protein 2A mRNA, complete cds.//9.2e-33:511:65//AF068332  
 F-OVARC1000212//F.rubripes GSS sequence, clone 185L11aC1, genomic survey sequence.//1.1e-13:139:79//AL019910  
 25 F-OVARC1000240//Sequence 1 from patent US 5710024.//1.4e-129:623:98//I81226  
 F-OVARC1000241//Mus musculus hypoxia inducible factor three alpha mRNA, complete cds.//1.1e-112:697:87//AF060194  
 F-OVARC1000288 2.2e-22:181:83//J00345  
 F-OVARC1000302//A-192A9.TP CIT978SK Homo sapiens genomic clone A-192A9, genomic survey sequence.//4.8e-18:110:99//B18003  
 30 F-OVARC1000304//Mouse mRNA from Mov10 locus.//5.5e-100:631:85//X52574  
 F-OVARC1000309  
 F-OVARC1000321//Homo sapiens clone NH0479C13, WORKING DRAFT SEQUENCE, 12 unordered pieces.//3.1e-122:325:95//AC005236  
 35 F-OVARC1000326//Rattus norvegicus lamina-associated polypeptide 1C (LAP1C) mRNA, complete cds.//4.0e-46:339:84//U19614  
 F-OVARC1000335//Caenorhabditis elegans cosmid F15B10.//0.020:545:57//AF036696  
 F-OVARC1000347//Homo sapiens clone GS051M12, complete sequence.//0.71:252:59//AC005007  
 F-OVARC1000384//Homo sapiens expanded SCA7 CAG repeat.//2.2e-09:276:64//AF020275  
 40 F-OVARC1000408//Human Chromosome 11p15.5 PAC clone pDJ915f1 containing KvLQT1 gene, complete sequence.//0.61:343:59//AC003693  
 F-OVARC1000411//S.cerevisiae chromosome XI reading frame ORF YKL202w.//0.075:242:60//Z28201  
 F-OVARC1000414//Homo sapiens PAC clone DJ0905M06 from 7q31, complete sequence.//0.00088:285:62//AC005166  
 45 F-OVARC1000420//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 371H6, WORKING DRAFT SEQUENCE.//0.14:487:60//AL031718  
 F-OVARC1000427//Homo sapiens clone UWGC:rg041a03 from 7p14-15, complete sequence.//4.9e-30:195:84//AC005826  
 F-OVARC1000431//Plasmodium falciparum MAL3P2, complete sequence.//1.3e-05:651:59//AL034558  
 50 F-OVARC1000437//Chicken tensin mRNA, complete cds.//9.6e-54:296:78//M74165  
 F-OVARC1000440//Human PINCH protein mRNA, complete cds.//2.7e-19:116:99//U09284  
 F-OVARC1000442//Human DNA sequence from clone 816K17 on chromosome 20p12.2-13 Contains TGM3 (PROTEIN-GLUTAMINE GLUTAMYLTRANSFERASE E3 PRECURSOR (EC 2.3.2.13) (TGASE E3) (TRANS-GLUTAMINASE 3), and another member of the Transglutaminase family, complete sequence.//1.0e-21:202:79//AL031678  
 55 F-OVARC1000443//Homo sapiens mRNA for KIAA0683 protein, complete cds.//1.0e-138:566:99//AB014583  
 F-OVARC1000461  
 F-OVARC1000465//Bos taurus guanine nucleotide-exchange protein (ARF-GEP1) mRNA, complete cds.//4.7e-

124:650:93//AF023451  
 F-OVARC1000466//Homo sapiens DNA from chromosome 19, cosmid R29144, complete sequence//1.0e-15:  
 510:59//AC004221  
 F-OVARC1000473//Ciona intestinalis genomic fragment, clone 3F4, genomic survey sequence//2.5e-06:272:62//  
 5 AJ227191  
 F-OVARC1000479//cDNA encoding novel rat protein TIP120 which is formed of complex with TBP (TATA binding  
 protein)//1.1e-117:652:90//E12829  
 F-OVARC1000486//Homo sapiens DNA sequence from PAC 262D12 on chromosome 1q23.3-24.3. Contains a  
 Tenascin (Hexabrachion, Cytotactin, Neuronectin, Myotendinous antigen)-LIKE gene and a mitochondrial/chloro-  
 10 plast 30S ribosomal protein S14-LIKE gene preceded by a CpG island. Contains ESTs, genomic marker D1S2691  
 and STSs//1.7e-13:709:60//Z99297  
 F-OVARC1000496//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 455J7, WORKING  
 DRAFT SEQUENCE//6.0e-23:316:72//AL031733  
 F-OVARC1000520//Homo sapiens supervillin mRNA, complete cds//2.1e-113:539:99//AF051850  
 15 F-OVARC1000526//Homo sapiens clone GS438P06, WORKING DRAFT SEQUENCE, 17 unordered pieces//  
 8.0e-149:716:98//AC005024  
 F-OVARC1000533//Homo sapiens chromosome 19, cosmid R30385, complete sequence//5.8e-137:545:97//  
 AC004510  
 F-OVARC1000543//HS\_3055\_A2\_F10\_MF CIT Approved Human Genomic\_Sperm Library D Homo sapiens ge-  
 20 nomic clone Plate=3055 Col=20 Row=K, genomic survey sequence//0.19:104:71//AQ102820  
 F-OVARC1000556//Homo sapiens DNA sequence from PAC 168L15 on chromosome 6q26-27. Contains RSK3  
 gene, ribosomal protein S6 kinase, EST, GSS, STS, CpG island, complete sequence//4.4e-136:670:97//AL022069  
 F-OVARC1000557//Human DNA from chromosome 19-specific cosmid R27090, genomic sequence, complete  
 sequence//1.3e-15:262:69//AC002985  
 25 F-OVARC1000564//Mus musculus clone OST7314, genomic survey sequence//1.9e-41:476:70//AF046733  
 F-OVARC1000573//HS\_3241\_B1\_H03\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3241 Col=5 Row=P, genomic survey sequence//2.2e-101:530:95//AQ211942  
 F-OVARC1000576//Human Chromosome X, WORKING DRAFT SEQUENCE, 2 unordered pieces//9.7e-97:445:  
 90//AC002414  
 30 F-OVARC1000578//Homo sapiens DNA from chromosome 19, BAC 33152, complete sequence//9.1 e-27:354:  
 72//AC003973  
 F-OVARC1000588//Human DNA sequence from clone 497J21 on chromosome 6q26-27. Contains a KOC (KH-  
 domain containg transcript overexpressed in cancer) pseudogene, genomic marker D6S193, ESTs, STSs and  
 GSSs, and a ca repeat polymorphism, complete sequence//0.97:276:62//AL023775  
 35 F-OVARC1000605  
 F-OVARC1000622//Homo sapiens (subclone 2\_d8 from P1 H42) DNA sequence, complete sequence//7.2e-60:  
 457:82//L81648  
 F-OVARC1000640//Human BAC clone RG326K09 from 7q21, complete sequence//6.2e-58:499:80//AC002069  
 F-OVARC1000649//Human squamous cell carcinoma of esophagus mRNA for GRB-7 SH2 domain protein, com-  
 40 plete cds//5.1e-77:424:93//D43772  
 F-OVARC1000661//Homo sapiens mRNA for KIAA0590 protein, complete cds//4.8e-99:536:94//AB011162  
 F-OVARC1000678//cSRL-29c7-u cSRL flow sorted Chromosome 11 specific cosmid Homo sapiens genomic clone  
 cSRL-29c7, genomic survey sequence//2.5e-57:336:91//B04244  
 F-OVARC1000679//Rattus norvegicus mRNA for myosin-RhoGAP protein Myr 7//1.6e-81:291:84//AJ001713  
 45 F-OVARC1000681//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 257E24, WORKING  
 DRAFT SEQUENCE//8.2e-158:782:96//AL034424  
 F-OVARC1000682//Homo sapiens alpha 1,2-mannosidase IB mRNA, complete cds//1.5e-151:549:99//AF027156  
 F-OVARC1000689//nbxb0003aG01f CUGI Rice BAC Library Oryza sativa genomic clone nbxb0003M01f, genomic  
 survey sequence//0.17:499:60//AQ050003  
 50 F-OVARC1000700  
 F-OVARC1000703//Drosophila melanogaster DNA repair protein (mei-41) gene, complete cds, and TH1 gene,  
 partial cds//3.5e-26:425:65//U34925  
 F-OVARC1000722//Homo sapiens chromosome 1q21-1q23 beta-1,4-galactosyltransferase mRNA, complete  
 cds//3.7e-109:451:91//AF038661  
 55 F-OVARC1000730  
 F-OVARC1000746  
 F-OVARC1000769//HS\_2056\_B2\_G06\_T7 CIT Approved Human Genomic Sperm-Library D Homo sapiens ge-  
 nomic clone Plate=2056 Col=12 Row=N, genomic survey sequence//8.8e-19:147:86//AQ245905

# EP 1 074 617 A2

F-OVARC1000771//M.musculus mRNA for GTP-binding protein.//2.2e-62:305:78//X95403  
 F-OVARC1000781//Sequence 5 from Patent WO9722695.//1.9e-89:705:78//A63552  
 F-OVARC1000787//Homo sapiens PAC clone DJ430N08 from 22q12.1-qter, complete sequence.//3.0e-131:631:98//AC004542  
 5 F-OVARC1000800//Human Chromosome 11q23 PAC clone pDJ254e13, complete sequence.//1.7e-32:295:80//AC003691  
 F-OVARC1000802//Homo sapiens chromosome Xp22-67-68, WORKING DRAFT SEQUENCE, 99 unordered pieces.//3.2e-55:356:88//AC004469  
 F-OVARC1000834//Homo sapiens mRNA for atopy related autoantigen CALC.//9.5e-27:163:94//Y17711  
 10 F-OVARC1000846//Homo sapiens mRNA for KIAA0643 protein, partial cds.//6.0e-150:432:100//AB014543  
 F-OVARC1000850//Homo sapiens PB39 mRNA, complete cds.//1.0e-135:632:99//AF045584  
 F-OVARC1000862//M.musculus mRNA for FT1.//2.6e-109:769:83//Z67963  
 F-OVARC1000876//S.cerevisiae chromosome IX cosmid 9150.//7.4e-21:541:61//Z38125  
 F-OVARC1000883//Mus domesticus nuclear binding factor NF2d9 mRNA, complete cds.//2.2e-08:98:88//U20086  
 15 F-OVARC1000885//B.subtilis 25 kb genomic DNA segment (from sspE to katA).//0.25:231:61//Z82044  
 F-OVARC1000886//CIT-HSP-2171H6.TR CIT-HSP Homo sapiens genomic clone 2171H6, genomic survey sequence.//0.00035:139:69//B89721  
 F-OVARC1000890  
 F-OVARC1000891  
 20 F-OVARC1000897//Human DNA sequence from clone 215F16 on chromosome 22q12.1-12.3. Contains part of a Homeobox domain containing gene and GSSs, complete sequence.//1.4e-18:473:64//AL024494  
 F-OVARC1000912//Bovine herpesvirus type 1 early-intermediate transcription control protein (BICP4) gene, complete cds.//8.9e-08:378:63//L14320  
 F-OVARC1000915//Homo sapiens mRNA for KIAA0600 protein, partial cds.//7.7e-85:440:95//AB011172  
 25 F-OVARC1000924//HS\_2022\_A1\_C01\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2022 Col=1 Row=E, genomic survey sequence.//5.7e-21:122:99//AQ269493  
 F-OVARC1000936//Human PAC clone DJ0093I03 from Xq23, complete sequence.//1.2e-113:476:91//AC003983  
 F-OVARC1000937//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 20208, WORKING DRAFT SEQUENCE.//0.00066:436:61//AL031848  
 30 F-OVARC1000945//Rattus norvegicus mRNA for atypical PKC specific binding protein, complete cds.//5.0e-89:556:86//AB005549  
 F-OVARC1000948//P.falciparum complete gene map of plastid-like DNA (IR-B).//0.98:160:64//X95276  
 F-OVARC1000959//CIT-HSP-2348O16.TR CIT-HSP Homo sapiens genomic clone 2348O16, genomic survey sequence.//0.99:270:59//AQ062850  
 35 F-OVARC1000960//Human DNA sequence from PAC 212P9 on chromosome 1p34.1-1p35. Contains delta opiate receptor, CpG island, CA repeat.//3.9e-41:577:72//AL009181  
 F-OVARC1000964//P.falciparum malaria antigen (M26-32-2) gene, partial cds.//0.19:83:73//M63270  
 F-OVARC1000971//Caenorhabditis elegans DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y57G11, WORKING DRAFT SEQUENCE.//0.013:670:57//Z92841  
 40 F-OVARC1000984//Leishmania major chromosome 1, complete sequence.//0.80:345:58//AE001274  
 F-OVARC1000996//MO25 gene [mice, embryos, mRNA, 2322 nt].//2.6e-55:403:82//S51858  
 F-OVARC1000999//Synthetic construct galanin receptor type 3 (GALR3) gene, complete cds.//0.33:105:69//AF042785  
 F-OVARC1001000//HS\_2247\_A1\_H05\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2247 Col=9 Row=O, genomic survey sequence.//3.1e-60:315:96//AQ153910  
 45 F-OVARC1001004//Homo sapiens from UWGC:y18c282 from 6p21, complete sequence.//3.1e-124:595:98//AC004190  
 F-OVARC1001010//CIT-HSP-2034M3.TF CIT-HSP Homo sapiens genomic clone 2034M3, genomic survey sequence.//1.0:151:60//B74290  
 50 F-OVARC1001011//Human DNA sequence from cosmid U85A3, between markers DXS366 and DXS87 on chromosome X contains rad21 and T-cell cyclophorin pseudogenes, STS.//3.0e-08:149:79//Z78021  
 F-OVARC1001032//Yeast (S.cerevisiae) mitochondrial Tyr-tRNA gene.//3.2e-13:667:60//M12451  
 F-OVARC1001034//Mus musculus Fn54 mRNA, partial cds.//2.5e-119:737:86//AF001533  
 F-OVARC1001038//Homo sapiens TRIAD1 type I mRNA, complete cds.//2.7e-150:733:97//AF099149  
 55 F-OVARC1001040//Homo sapiens clone RG270D13, WORKING DRAFT SEQUENCE, 18 unordered pieces.//9.8e-29:277:76//AC005081  
 F-OVARC1001044//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 364I1, WORKING DRAFT SEQUENCE.//0.0017:387:6.1//AL031319

- F-OVARC1001051//Rattus norvegicus brain specific cortactin-binding protein CBP90 mRNA, partial cds//0.012:112:74//AF053768
- F-OVARC1001055//Sequence 1 from patent US 5580754.//3.3e-45:381:81//I30292
- 5 F-OVARC1001062//nbxb0026H08r CUGI Rice BAC Library Oryza sativa genomic clone nbxb0026H08r, genomic survey sequence//0.018:344:59//AQ271878
- F-OVARC1001065//S.pombe chromosome I cosmid c29E6.//0.86:338:59//Z66525
- F-OVARC1001068//Homo sapiens Era GTPase A protein (HERA-A) mRNA, partial cds.//2.0e-130:620:98//AF082657
- 10 F-OVARC1001072//Homo sapiens glypican 3 (GPC3) gene, partial cds and flanking repeat regions//9.3e-24:285:65//AF003529
- F-OVARC1001074//Human DNA sequence from clone 23K20 on chromosome Xq25-26.2 Contains EST, STS, GSS, complete sequence.//2.0e-07:652:59//AL022153
- F-OVARC1001085//Homo sapiens c-syn protooncogene mRNA, complete cds//5.0e-35:187:99//M14333
- 15 F-OVARC1001092//Homo sapiens mRNA for JM5 protein, complete CDS (clone IMAGE 53337, LLNLc110F1857Q7 (RZPD Berlin) and LLNLc110G0913Q7 (RZPD Berlin)).//4.0e-74:289:95//AJ005897
- F-OVARC1001107//Homo sapiens SKB1Hs mRNA, complete cds.//3.6e-72:351:86//AF015913
- F-OVARC1001113//Homo sapiens diaphanous 1 (HDIA1) mRNA, complete cds.//6.4e-150:710:98//AF051782
- F-OVARC1001117//Homo sapiens chromosome 5, P1 clone 328E3 (LBNL H53), complete sequence//0.99:148:67//AC005178
- 20 F-OVARC1001118//Human Chromosome 11 pac pDJ197h17, WORKING DRAFT SEQUENCE, 11 unordered pieces.//2.6e-35:302:74//AC000382
- F-OVARC1001129//CIT-HSP-647P20.TP CIT-HSP Homo sapiens genomic clone 647P20, genomic survey sequence.//0.94:106:66//B79052
- F-OVARC1001154//R.norvegicus mRNA for epithelin 1 and 2.//1.8e-95:462:79//X62322
- 25 F-OVARC1001161//Homo sapiens chromosome 4 clone B71M12 map 4q25, complete sequence.//2.9e-90:496:84//AC004069
- F-OVARC1001162
- F-OVARC1001167//Homo sapiens clone DJ1098J04, WORKING DRAFT SEQUENCE, 2 unordered pieces.//0.00090:219:64//AC004961
- 30 F-OVARC1001169//Borrelia burgdorferi (section 27 of 70) of the complete genome.//1.0:265:59//AE001141
- F-OVARC1001170//H.sapiens (xs170) mRNA, 350bp.//4.6e-58:355:90//Z36823
- F-OVARC1001171//CIT-HSP-2285E22.TF CIT-HSP Homo sapiens genomic clone 2285E22, genomic survey sequence.//1.5e-25:152:83//AQ002315
- 35 F-OVARC1001173//Human DNA sequence from clone 243E7 on chromosome 22q12.1. Contains ESTs, STSs and GSSs, complete sequence.//0.0024:94:80//AL022323
- F-OVARC1001176//Streptomyces plicatus B-N-acetylhexosaminidase (hex) gene, complete cds.//1.0:356:60//AF063001
- F-OVARC1001180//G.gallus DNA for polyubiquitin gene Ub II.//0.0062:275:60//X58195
- F-OVARC1001188//Homo sapiens full-length insert cDNA clone ZD93F03.//1.8e-32:180:97//AF086486
- 40 F-OVARC1001200
- F-OVARC1001232//Caenorhabditis elegans cosmid F10B5, complete sequence.//0.013:128:67//Z48334
- F-OVARC1001240//Human Chromosome 11 pac pDJ360p17, WORKING DRAFT SEQUENCE, 44 unordered pieces.//3.7e-131:811:87//AC001235
- 45 F-OVARC1001243//Human BAC clone GS117O10 from 7q21-q22, complete sequence.//0.044:457:59//AC003078
- F-OVARC1001244//Human homolog of Drosophila female sterile homeotic mRNA, complete cds.//8.4e-18:118:95//M80613
- F-OVARC1001261//Mus musculus putative membrane-associated guanylate kinase 1 (Magi-1) mRNA, alternatively spliced c form, partial cds.//1.4e-95:649:84//AF027505
- 50 F-OVARC1001268//Rattus norvegicus ADP-ribosylation factor-directed GTPase activating protein mRNA, complete cds.//0.00051:72:83//U35776
- F-OVARC1001270
- F-OVARC1001271//Homo sapiens mRNA for KIAA0643 protein, partial cds.//2.1e-142:644:96//AB014543
- F-OVARC1001282//RPC111-60K8.TK RPC111 Homo sapiens genomic clone R-60K8, genomic survey sequence.//0.0089:285:58//AQ195857
- 55 F-OVARC1001296//Homo sapiens echinoderm microtubule-associated protein homolog HuEMAP mRNA, complete cds.//3.0e-20:263:73//U97018
- F-OVARC1001306//nbxb0002M13r CUGI Rice BAC Library Oryza sativa genomic clone nbxb0002M13r, genomic survey sequence.//0.98:170:66//AQ156061

# EP 1 074 617 A2

F-OVARC1001329//Homo sapiens BAC clone RG370M10 from 7p15, complete sequence.//1.3e-05:432:61//AC003986

F-OVARC1001330//Plasmodium falciparum 3D7 chromosome 12 PFYAC1383 genomic sequence, WORKING DRAFT SEQUENCE, 3 unordered pieces.//0.027:444:59//AC005504

5 F-OVARC1001339//Homo sapiens chromosome 17, clone hCIT.124\_H\_2, complete sequence.//0.76:89:74//AC006071

F-OVARC1001341//CITBI-E1-2503J7.TR CITBI-E1 Homo sapiens genomic clone 2503J7, genomic survey sequence.//0.99:45:86//AQ263402

F-OVARC1001342

10 F-OVARC1001344//HS-1059-A2-H02-MF.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 781 Col=4 Row=O, genomic survey sequence.//1.5e-07:254:67//B44456

F-OVARC1001357//Homo sapiens Xp22-149 BAC RPC11-466O4 (Roswell Park Cancer Institute Human BAC Library) complete sequence.//0.83:376:61//AC005297

F-OVARC1001360

15 F-OVARC1001369//Homo sapiens clone 162B15, complete sequence.//0.0066:99:76//AC004811

F-OVARC1001372//Homo sapiens liprin-alpha4 mRNA, partial cds.//2.7e-142:683:98//AF034801

F-OVARC1001376//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 850H21, WORKING DRAFT SEQUENCE.//1.9e-52:382:73//AL031680

F-OVARC1001381//Homo sapiens mRNA for candidate tumor suppressor involved in B-CLL.//1.2e-147:683:99//AJ224819

20 F-OVARC1001391//S.coelicolor whiB gene.//0.018:454:59//X62287

F-OVARC1001399//CIT-HSP-229118.TR CIT-HSP Homo sapiens genomic clone 229118, genomic survey sequence.//1.7e-11 :104:87//AQ007611

F-OVARC1001417//Homo sapiens EXLM1 mRNA, complete cds.//3.9e-149:707:98//AB006651

25 F-OVARC1001419//Homo sapiens GOK (STIM1) mRNA, complete cds.//4.9e-48:586:69//U52426

F-OVARC1001425//Human DNA sequence from clone 1048E9 on chromosome 22q11.2-12.2 Contains pseudo-gene similar to ribosomal protein S3A and part of a gene similar to C.elegans protein CE02118, ESTs, STS, GSS, complete sequence.//0.0019:96:78//Z99714

F-OVARC1001436//Caenorhabditis elegans mitotic chromosome and X-chromosome associated MIX-1 protein (mix-1) mRNA, complete cds.//0.77:519:59//U96387

30 F-OVARC1001442//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 998H6, WORKING DRAFT SEQUENCE.//1.0:167:64//AL031687

F-OVARC1001453//Human DNA sequence from PAC 453D15 on chromosome 6 contains STS.//4.4e-64:376:79//Z84482

35 F-OVARC1001476//Caenorhabditis elegans DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y24F12, WORKING DRAFT SEQUENCE.//0.20:107:71//AL022277

F-OVARC1001480

F-OVARC1001489//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-420 genomic sequence, WORKING DRAFT SEQUENCE, 14 unordered pieces.//0.20:281:63//AC005140

40 F-OVARC1001496//Homo sapiens C-terminal binding protein 2 mRNA, complete cds.//8.1e-85:479:92//AF016507

F-OVARC1001506//Homo sapiens Chromosome 16 BAC clone CIT987-SKA-13F4 ~complete genomic sequence, complete sequence.//1.2e-98:503:83//AC002039

F-OVARC1001525//Human beta-hexosaminidase alpha chain (HEXA) gene, exon 1.//1.7e-13:87:100//M16411

45 F-OVARC1001542//H.sapiens polymorphic repeat associated with glutamate dehydrogenase pseudogene 5.//0.43:190:68//X69219

F-OVARC1001547//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-420 genomic sequence, WORKING DRAFT SEQUENCE, 14 unordered pieces.//0.017:533:56//AC005140

F-OVARC1001555//Homo sapiens clone NH0469M07, WORKING DRAFT SEQUENCE, 7 unordered pieces.//7.4e-159:416:99//AC005037

50 F-OVARC1001577//Homo sapiens SRp46 splicing factor transcribed retropseudogene.//2.4e-115:540:99//AF031165

F-OVARC1001600//Homo sapiens chromosome 21q22.3 PAC 39C17, complete sequence.//5.5e-13:529:62//AF043945

F-OVARC1001610//, complete sequence.//1.4e-12:152:77//AC005409

55 F-OVARC1001611

F-OVARC1001615//Human DNA sequence from clone 873P14 on chromosome 20p12 Contains STS, GSS, complete sequence.//0.022:146:70//AL031682

F-OVARC1001668//Homo sapiens mRNA for MCM3 import factor, complete cds.//6.5e-109:358:96//AB005543

# EP 1 074 617 A2

F-OVARC1001702//Homo sapiens mRNA for hSOX20 protein, complete cds.//1.8e-47:393:81//AB006867  
F-OVARC1001703//CIT-HSP-2164L6.TF CIT-HSP Homo sapiens genomic clone 2164L6, genomic survey sequence.//0.94:85:69//B92840  
5 F-OVARC1001711//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 317C6, WORKING DRAFT SEQUENCE.//1.9e-06:489:61//Z97651  
F-OVARC1001713//Rattus norvegicus neuroligin 2 mRNA, complete cds.//1.0:262:59//U41662  
F-OVARC1001726//Human telomere associated repeat sequence, complete sequence.//7.5e-08:283:65//M57752  
F-OVARC1001731//Mus musculus gene for beta-tropomyosin.//2.6e-83:606:81//X12650  
10 F-OVARC1001745//HS\_3007\_B2\_G09\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3007 Col=18 Row=N, genomic survey sequence.//0.00020:269:60//AQ164522  
F-OVARC1001762//S.pombe chromosome III cosmid c338.//3.0e-17:624:61//AL023781  
F-OVARC1001766//Homo sapiens eukaryotic translation initiation factor eIF3, p35 subunit mRNA, complete cds.//4.2e-149:706:98//U97670  
F-OVARC1001767//Homo sapiens mRNA for KIAA0675 protein, complete cds.//3.0e-115:580:96//AB014575  
15 F-OVARC1001768  
F-OVARC1001791//Homo sapiens BAC clone RG118P15 from 8q21, complete sequence.//5.7e-64:477:78//AC005066  
F-OVARC1001795//Homo sapiens chromosome 4 clone B341C20 map 4q25, complete sequence.//6.5e-11:171:76//AC004704  
20 F-OVARC1001802//CITBI-E1-2502A17.TR CITBI-E1 Homo sapiens genomic clone 2502A17, genomic survey sequence.//0.98:214:61//AQ264481  
F-OVARC1001805//Human DNA sequence from clone 511E16 on chromosome 6p24.3-25.1. Contains the last coding exon of the gene for P18 component of aminoacyl-tRNA synthetase complex, part of an unknown gene downstream of a putative CpG island, and an STS with a CA repeat polymorphism, complete sequence.//9.5e-151:712:99//AL023694  
25 F-OVARC1001809//Mus musculus sphingosine kinase (SPHK1a) mRNA, partial cds.//2.7e-56:522:75//AF068748  
F-OVARC1001812//Homo sapiens chromosome 17, clone HCIT104N19, complete sequence.//1.7e-63:526:81//AC003662  
F-OVARC1001813//Human DNA sequence from cosmid U144A10, between markers DXS366 and DXS87 on chromosome X contains STS.//0.17:214:65//Z70224  
30 F-OVARC1001820//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 445N2, WORKING DRAFT SEQUENCE.//3.2e-55:379:82//AL031779  
F-OVARC1001828//Homo sapiens chromosome 5, BAC clone 203o13 (LBNL H155), complete sequence.//2.8e-17:509:62//AC005609  
35 F-OVARC1001846//Human DNA sequence from cosmid U73E8, between markers DXS366 and DXS87 on chromosome X.//0.35:403:58//Z73361  
F-OVARC1001861//CIT-HSP-2165M3.TR CIT-HSP Homo sapiens genomic clone 2165M3, genomic survey sequence.//2.4e-25:148:96//B94622  
F-OVARC1001873//Homo sapiens clones 24718 and 24825 mRNA sequence.//1.2e-18:122:95//AF070611  
40 F-OVARC1001879//HS\_3026\_B1\_F09\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3026 Col=17 Row=L, genomic survey sequence.//4.9e-29:204:87//AQ207748  
F-OVARC1001880//Human interferon regulatory factor 5 (Humirf5) mRNA, complete cds.//3.5e-05:489:60//U51127  
F-OVARC1001883//Homo sapiens clone GS259H13, WORKING DRAFT SEQUENCE, 4 unordered pieces.//1.9e-29:350:74//AC005020  
45 F-OVARC1001900//Homo sapiens tumorous imaginal discs protein Tid56 homolog (TID1) mRNA, complete cds.//8.6e-56:300:96//AF061749  
F-OVARC1001901//Human DNA sequence from clone 103M22 on chromosome 6p24. Contains STSs and GSSs, complete sequence.//2.3e-10:253:66//AL031904  
50 F-OVARC1001911//HS\_2196\_B2\_H11\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2196 Col=22 Row=P, genomic survey sequence.//3.4e-09:123:78//AQ294069  
F-OVARC1001916//HS\_3054\_B1\_C11\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3054 Col=21 Row=F, genomic survey sequence.//1.2e-31:126:97//AQ099979  
F-OVARC1001928  
55 F-OVARC1001942//H.sapiens CpG island DNA genomic Mse1 fragment, clone 21d7, forward read cpg21d7.ft1a.//7.2e-12:83:98//Z60390  
F-OVARC1001943//Aplysia californica potassium channel modulatory factor mRNA, complete cds.//3.5e-50:535:69//AF059179



- F-OVARC1001949//Human KRAB zinc finger protein (ZNF177) mRNA, complete cds//1.7e-16:294:67//U37263  
 F-OVARC1001950//Homo sapiens \*\*\* SEQUENCING IN PROGRESS \*\*\* , WORKING DRAFT SEQUENCE//1.5e-20:261:68//AJ011929
- 5 F-OVARC1001987//D.melanogaster G6PD gene, exons 2-4//0.99:447:57//Z19021  
 F-OVARC1001989//Homo sapiens clone DJ0042M02, WORKING DRAFT SEQUENCE, 20 unordered pieces//2.9e-19:178:83//AC005995
- F-OVARC1002044//Plasmodium falciparum MAL3P7, complete sequence//0.17:232:62//AL034559  
 F-OVARC1002050//Homo sapiens mRNA for KIAA0465 protein, partial cds//2.1e-158:739:98//AB007934
- 10 F-OVARC1002066//Homo sapiens genomic DNA, chromosome 21q22.2 (Down Syndrome region), segment 4/15, WORKING DRAFT SEQUENCE//3.0e-17:781:59//AP000011  
 F-OVARC1002082//Homo sapiens clone DJ0965K10, WORKING DRAFT SEQUENCE, 6 unordered pieces//5.4e-136:683:96//AC006015
- F-OVARC1002107//Homo sapiens BAC clone RG276003 from 7q22-q31.1, complete sequence//1.0:220:61//AC004668
- 15 F-OVARC1002112//Homo sapiens histone macroH2A1.2 mRNA, complete cds//6.1e-115:557:98//AF041483  
 F-OVARC1002127//Homo sapiens chromosome 9, clone hRPK.202\_H\_3, complete sequence//0.013:461:57//AC006241
- F-OVARC1002138//Caenorhabditis elegans cosmid F32D1//1.0e-29:545:64//AF016427  
 F-OVARC1002143//CIT-HSP-2343H20. TR CIT-HSP Homo sapiens genomic clone 2343H20, genomic survey sequence//2.3e-11:258:67//AQ055576
- 20 F-OVARC1002156  
 F-OVARC1002158//F17O7-T7 IGF Arabidopsis thaliana genomic clone F17O7, genomic survey sequence//1.8e-16:383:66//B11616
- F-OVARC1002165//H.sapiens BDP1 mRNA for protein-tyrosinephosphatase//0.0041:300:64//X79568
- 25 F-OVARC1002182//F.rubripes GSS sequence, clone 123I23aA7, genomic survey sequence//1.4e-10:240:66//AL017241  
 F-PLACE1000004//CIT-HSP-2294H13.TF CIT-HSP Homo sapiens genomic clone 2294H13, genomic survey sequence//8.2e-10:158:75//AQ003859
- F-PLACE1000005//Mouse alpha-1 antitrypsin gene, segment 1//4.8e-15:89:93//M12585
- 30 F-PLACE1000007//Homo sapiens ubiquitin hydrolyzing enzyme I (UBH1) mRNA, partial cds//3.8e-51:550:72//AF022789  
 F-PLACE1000014  
 F-PLACE1000031//Homo sapiens clone DJ0098O22, WORKING DRAFT SEQUENCE, 5 unordered pieces//0.91:333:61//AC004821
- 35 F-PLACE1000040//Homo sapiens DNA sequence from PAC 958B3 on chromosome Xp22.11-Xp22.22. Contains ESTs STS and CpG island//2.6e-20:279:67//Z93023  
 F-PLACE1000048//Homo sapiens chromosome 17, clone HCIT462L7, complete sequence//3.6e-63:488:82//AC005177
- F-PLACE1000050//Mus musculus chromosome 14 marker um-m24 GA dinucleotide DNA sequence//2.3e-10:141:75//U31508
- 40 F-PLACE1000061//Human ribosomal protein L37a mRNA sequence//1.9e-30:190:94//L22154  
 F-PLACE1000066//Homo sapiens PAC clone DJ1106E03 from 7q31.3-7q3, complete sequence//6.0e-63:597:74//AC005521
- F-PLACE1000078//Homo sapiens chromosome 11 clone CIT987SK-1012F4, WORKING DRAFT SEQUENCE, 6 unordered pieces//5.2e-09:143:73//AC005848
- 45 F-PLACE1000081//Human DNA from chromosome 19 specific cosmid R28461, genomic sequence, complete sequence//0.52:390:60//AC002389  
 F-PLACE1000094
- F-PLACE1000133//Human DNA sequence from clone 372K1 on chromosome 6q24 Contains EST, STS, GSS and CpG Island, complete sequence//4.4e-129:731:92//AL023580
- 50 F-PLACE1000142//H.sapiens AUH mRNA//6.4e-09:328:62//X79888  
 F-PLACE1000184//Homo sapiens estrogen-related receptor gamma mRNA, complete cds//7.7e-150:737:97//AF058291
- F-PLACE1000185//Sequence 15 from patent US 5691147//5.7e-106:558:94//I76211 F-PLACE1000213
- 55 F-PLACE1000214//Plasmodium falciparum 3D7 chromosome 12 PFYAC1383 genomic sequence, WORKING DRAFT SEQUENCE, 3 unordered pieces//1.8e-06:644:57//AC005504  
 F-PLACE1000236//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 695O20, WORKING DRAFT SEQUENCE//2.6e-39:191:83//AL032818

F-PLACE1000246//HS\_2008\_A2\_D04\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2008 Col=8 Row=G, genomic survey sequence.//0.96:153:61//AQ269813  
 F-PLACE1000292//Drosophila melanogaster Oregon-R mitochondrial A+T region.//5.1e-12:571:60//U11584  
 F-PLACE1000308//D.teissieri mitochondrial DNA for tRNA-fmet, tRNA-Ile, tRNA-Gln & amp; tRNA-Val.//0.00013:369:59//X54011  
 5 F-PLACE1000332//HS\_2016\_B2\_D08\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2016 Col=16 Row=H, genomic survey sequence.//7.5e-83:424:96//AQ232106  
 F-PLACE1000347//CIT-HSP-2326A16.TV CIT-HSP Homo sapiens genomic clone 2326A16, genomic survey sequence.//0.13:46:100//AQ047350  
 10 F-PLACE1000374//Mus musculus putative CCAAT binding factor 1 (mCBF) mRNA, alternatively spliced transcript mCBF1, complete cds.//0.00048:84:83//U19891  
 F-PLACE1000380//F.rubripes GSS sequence, clone 047P21aA10, genomic survey sequence.//0.43:198:62//Z88163  
 F-PLACE1000383//Homo sapiens myotubularin related protein 1 (MTMR1) mRNA, partial cds.//8.7e-149:740:96//U58032  
 15 F-PLACE1000401//Pinctada fucata mRNA for insoluble protein, complete cds.//0.22:484:56//D86074  
 F-PLACE1000406//Human nuclear matrix protein 55 (nmt55) mRNA, complete cds.//3.3e-19:372:65//U89867  
 F-PLACE1000420//Homo sapiens chromosome 17, clone hRPK.227\_G\_15, complete sequence.//1.6e-85:421:87//AC005899  
 20 F-PLACE1000421//Human GT334 protein (GT334) gene, exons 16 and 17.//0.88:145:68//U61515  
 F-PLACE1000424//Homo sapiens PAC clone DJ0905J08 from 7p12-p14, complete sequence.//0.076:196:66//AC005189  
 F-PLACE1000435//HS\_3217\_A2\_A12\_MR CIT Approved Human Genomic-Sperm Library D Homo sapiens genomic clone Plate=3217 Col=24 Row=A, genomic survey sequence.//2.2e-47:438:76//AQ181698  
 25 F-PLACE1000444//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-152E5, complete sequence.//6.9e-61:616:71//AC004382  
 F-PLACE1000453//Murine genomic DNA; partially digested Sau3A fragment, cloned into cosmid vector pEMBLcos2, complete sequence.//5.8e-18:314:69//AF059580  
 F-PLACE1000481//Homo sapiens Chromosome 22q11.2 Cosmid Clone 94a In DGCR Region, complete sequence.//1.1e-33:349:76//AC002491  
 30 F-PLACE1000492//Rat vacuolar protein sorting homolog r-vps33b mRNA, complete cds.//1.1e-34:256:83//U35245  
 F-PLACE1000540//P.falciparum complete gene map of plastid-like DNA (IR-B).//0.099:336:58//X95276  
 F-PLACE1000547//Arabidopsis thaliana GDP-mannose pyrophosphorylase (GMP1) mRNA, complete cds.//5.4e-11:279:63//AF076484  
 35 F-PLACE1000562//, complete sequence.//1.7e-97:559:88//AC005409  
 F-PLACE1000564  
 F-PLACE1000583//Figure 2. Nucleotide and translated protein sequences of HPF1, -2, and -9.//3.3e-46:631:68//M27877  
 40 F-PLACE1000588//Human guanylate binding protein isoform I (GBP-2) mRNA, complete cds.//7.3e-84:503:88//M55542  
 F-PLACE1000596//Homo sapiens mRNA for NS1-binding protein (NS1-BP).//3.8e-164:798:97//AJ012449  
 F-PLACE1000599//P.falciparum complete gene map of plastid-like DNA (IR-B).//0.018:295:61//X95276  
 F-PLACE1000610//HS\_2056\_A1\_D10\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2056 Col=19 Row=G, genomic survey sequence.//5.3e-24:188:87//AQ235967  
 45 F-PLACE1000611//Rattus norvegicus neural membrane protein 35 mRNA, complete cds.//2.4e-47:687:66//AF044201  
 F-PLACE1000636  
 F-PLACE1000653//Homo sapiens N-acetylglucosamine-phosphate mutase mRNA, complete cds.//1.5e-152:747:96//AF102265  
 50 F-PLACE1000656//Homo sapiens mRNA for JM4 protein, complete CDS (clone IMAGE 546750 and LLNLc110F1857Q7 (RZPD Berlin)).//2.3e-156:775:97//AJ005896  
 F-PLACE1000706//nuclear protein TIF1 [mice, mRNA, 3951 nt].//8.0e-60:675:70//S78219  
 F-PLACE1000712  
 55 F-PLACE1800716//HS-1057-A1-A03-MR.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 779 Col=5 Row=A, genomic survey sequence.//2.7e-42:266:82//B43026  
 F-PLACE1000748//CIT-HSP-2372J8.TR CIT-HSP Homo sapiens genomic clone 2372J8, genomic survey sequence.//0.023:157:68//AQ113109

- F-PLACE1000749//Plasmodium falciparum MAL3P7, complete sequence.//0.099:664:57//AL034559  
 F-PLACE1000755//H.sapiens DNA 3' flanking simple sequence region clone wg2c3//0.00068:206:62//X76589  
 F-PLACE1000769//RPCI11-3J18.TPB RPCI-11 Homo sapiens genomic clone RPCI-11-3J18, genomic survey sequence.//6.5e-08:93:89//B63806
- 5 F-PLACE1000785//Homo sapiens mRNA for KIAA0648 protein, partial cds.//3.5e-138:663:98//AB014548  
 F-PLACE1000786//Drosophila melanogaster cosmid 80H7.//1.4e-43:589:68//AL031027  
 F-PLACE1000793//H.sapiens CpG island DNA genomic MseI fragment, clone 13d12, reverse read cpg13d12.rt1c.//4.6e-09:71:100//Z64565  
 F-PLACE1000798//Human Chromosome 16 BAC clone CIT987SK-A-635H12, complete sequence.//5.0e-14:235:72//AC002310
- 10 F-PLACE1000841//Homo sapiens clone NH0441G08, WORKING DRAFT SEQUENCE, 12 unordered pieces.//0.013:404:60//AC006158  
 F-PLACE1000849//H.sapiens CpG island DNA genomic MseI fragment, clone 72a10, reverse read cpg72a10.rt1a.//3.3e-09:82:92//Z62712
- 15 F-PLACE1000856//Hydra vulgaris HT4 mRNA for collagen-like protein, partial cds.//1.0:317:59//AB008935  
 F-PLACE1000863//H.sapiens CpG island DNA genomic MseI fragment, clone 53d2, forward read cpg53d2.ft1b.//7.3e-37:199:98//Z55621  
 F-PLACE1000909//H.sapiens CpG island DNA genomic MseI fragment, clone 173f8, reverse read cpg173f8.rt1a.//1.5e-17:128:92//Z57391
- 20 F-PLACE1000931//Human DNA sequence from PAC 212P9 on chromosome 1p34.1-1p35. Contains delta opiate receptor, CpG island, CA repeat.//8.1e-55:647:72//AL009181  
 F-PLACE1000948  
 F-PLACE1000972//RPCI11-61B1.TJ RPCI11 Homo sapiens genomic clone R-61B1, genomic survey sequence.//1.0e-26:148:99//AQ194348
- 25 F-PLACE1000977//Homo sapiens mRNA for KIAA0672 protein, complete cds.//6.1e-08:413:61//AB014572  
 F-PLACE1000979//H.sapiens CpG island DNA genomic MseI fragment, clone 76e8, reverse read cpg76e8.rt1a.//2.7e-10:84:94//Z55963  
 F-PLACE1000987//Homo sapiens mRNA for KIAA0724 protein, complete cds.//8.0e-140:694:96//AB018267  
 F-PLACE1001000//Herpetomonas muscarum muscarum kinetoplast 12S rRNA gene.//0.0056:443:58//U01011
- 30 F-PLACE1001007//CIT-HSP-2013L15.TF CIT-HSP Homo sapiens genomic clone 2013L15, genomic survey sequence.//0.99:277:58//B58681  
 F-PLACE1001010//Human cosmid g1572c101, complete sequence.//3.6e-55:294:88//AC000357  
 F-PLACE1001015//Homo sapiens PAC clone DJ0754J18 from 7p21, complete sequence.//7.2e-33:333:73//AC004741
- 35 F-PLACE1001024  
 F-PLACE1001036//CIT-HSP-2373I10.TF CIT-HSP Homo sapiens genomic clone 2373I10, genomic survey sequence.//1.1e-80:393:98//AQ108662  
 F-PLACE1001054//Arabidopsis thaliana genomic DNA, chromosome 5, TAC clone: K9I9, complete sequence.//8.8e-40:483:66//AB013390
- 40 F-PLACE1001062//Mus musculus mRNA encoding lysine-ketoglutarate reductase/saccharopine dehydrogenase.//1.2e-23:224:80//AJ224761  
 F-PLACE1001076//HS\_2195\_B1\_D05\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2195 Col=9 Row=H, genomic survey sequence.//0.0014:168:66//AQ066659  
 F-PLACE1001088
- 45 F-PLACE1001092//Homo sapiens sorting nexin 4 mRNA, complete cds.//3.1e-95:489:96//AF065485  
 F-PLACE1001104//Caprine arthritis-encephalitis virus envelope glycoprotein (env) gene, partial cds.//0.0073:253:62//U81400  
 F-PLACE1001118//Homo sapiens KRAB domain zinc finger protein (ZFP37) mRNA, complete cds.//2.5e-64:676:71//AF022158
- 50 F-PLACE1001136//Human amphiregulin (AR) gene, exon 5, clones lambda-ARH(6,12).//3.8e-26:174:93//M30702  
 F-PLACE1001168  
 F-PLACE1001171//Homo sapiens subtelomeric cosmid 11b-1, complete sequence.//7.6e-23:245:68//AC005603  
 F-PLACE1001185//Human DNA sequence from clone 889N15 on chromosome Xq22.1-22.3. Contains part of the gene for a novel protein similar to X. laevis Cortical Thymocyte Marker-CTX, the possibly alternatively spliced gene
- 55 for 26S Proteasome subunit p28 (Ankyrin repeat protein), a novel gene and exons 36 through 45 of the COL4A6 for Collagen Alpha 6(IV). Contains ESTs, STSs, GSSs and a putative CpG island, complete sequence.//0.010:102:70//AL031177  
 F-PLACE1001238//Mouse mRNA for RNA polymerase I associated factor (PAF53), complete cds.//9.3e-82:684:

77//D14336  
 F-PLACE1001241  
 F-PLACE1001257//Caenorhabditis elegans cosmid R12E2//1.1e-16:480:60//AF067219  
 F-PLACE1001272//H.sapiens subunit of coatmer complex//0.31:50:96//X70476  
 5 F-PLACE1001279//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-628 genomic sequence, WORKING  
 DRAFT SEQUENCE, 9 unordered pieces//0.054:352:60//AC005507  
 F-PLACE1001280//Bovine herpesvirus type 1 early-intermediate transcription control protein (BICP4) gene, com-  
 plete cds//1.0e-10:620:61//L14320  
 F-PLACE1001294//M.musculus GEG-154 mRNA//5.0e-107:826:80//X71642  
 10 F-PLACE1001304//Mouse Zfp-35 mRNA for zinc finger protein ZFP-35//1.2e-67:510:77//X17617  
 F-PLACE1001311//Homo sapiens clone DJ0826E18, WORKING DRAFT SEQUENCE, 4 unordered pieces//1.6e-  
 47:491:73//AC005282  
 F-PLACE1001323//HS-1007-A2-B10-MF.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone  
 Plate=CT 328 Col=20 Row=C, genomic survey sequence//9.6e-26:142:100//B31181  
 15 F-PLACE1001351  
 F-PLACE1001366//Homo sapiens mRNA for KIAA0799 protein, partial cds//8.6e-25:155:95//AB018342  
 F-PLACE1001377//H.sapiens MADM gene (exon 1)//1.6e-43:393:79//Z48614  
 F-PLACE1001383//Human DNA sequence from clone 246H3 on chromosome 22q11.21-12.2 Contains LRP5 (Li-  
 poprotein Receptor Related Protein) pseudogene, EST, CA repeats (D22S414, D22S925, D22S926), STS, GSS  
 20 and CpG island, complete sequence//1.5e-119:705:91//AL022324  
 F-PLACE1001384//Homo sapiens mRNA for multi PDZ domain protein//5.7e-08:117:84//AJ001319  
 F-PLACE1001387//Sequence 3 from patent US 5610018//1.7e-06:395:58//I57340  
 F-PLACE1001395//Plasmodium falciparum circular DNA rpoB and rpoC genes for beta and beta-prime subunits  
 of RNA polymerase (EC 2.7.7.6)//7.2e-11:620:60//X52177  
 25 F-PLACE1001399//Homo sapiens chromosome 17, clone hRPK.22\_N\_12, WORKING DRAFT SEQUENCE, 2  
 ordered pieces//3.0e-145:700:98//AC005412  
 F-PLACE1001412//Homo sapiens clone 643 unknown mRNA, complete sequence//2.0e-69:365:96//AF091087  
 F-PLACE1001414//Homo sapiens chromosome 9, clone hRPK.202\_H\_3, complete sequence//8.2e-121:608:97//  
 AC006241  
 30 F-PLACE1001440//Human Chromosome 11 pac pDJ393o15, WORKING DRAFT SEQUENCE, 8 unordered piec-  
 es//1.3e-06:437:61//AC000384  
 F-PLACE1001456//Homo sapiens Xp22 GS-52411 (Genome Systems Human BAC library), complete sequence//  
 0.98:348:60//AC003106  
 F-PLACE1001468//Homo sapiens DNA sequence from PAC 435A7 on chromosome Xq22.1-q22.3. Contains  
 35 STS//4.4e-05:358:62//AL022148  
 F-PLACE1001484//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 387E22, WORKING  
 DRAFT SEQUENCE//5.7e-31:195:93//AL031660  
 F-PLACE1001502//Human fibroblast growth factor receptor 3 (FGFR3) gene, exon L//0.00015:333:59//L78720  
 F-PLACE1001503//Drosophila melanogaster DNA sequence (P1 DS05273 (D80)), complete sequence//0.00016:  
 40 161:66//AC004373  
 F-PLACE1001517//Human DNA sequence from PAC 696H22 on chromosome Xq21.1-21.2. Contains a mouse  
 E25 like gene, a Kinesin like pseudogene and ESTs//3.7e-22:260:76//AL021786  
 F-PLACE1001534//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 620E11, WORKING  
 DRAFT SEQUENCE//1.1e-143:713:97//AL031667  
 45 F-PLACE1001545//Homo sapiens chromosome 3, clone hRPK.165\_I\_16, complete sequence//2.7e-139:482:96//  
 AC005669  
 F-PLACE1001551//Homo sapiens chromosome 19, CIT-HSP-444n24, complete sequence//6.9e-116:681:89//  
 AC005261  
 F-PLACE1001570//HS\_3105\_A1\_F06\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 50 nomic clone Plate=3105 Col=11 Row=K, genomic survey sequence//1.2e-10:137:79//AQ139817  
 F-PLACE1001602//Homo sapiens genomic DNA of 8p21.3-p22 anti-oncogene of hepatocellular colorectal and  
 non-small cell lung cancer, segment 3/11//1.8e-102:217:99//AB020860  
 F-PLACE1001603//Homo sapiens nitrilase homolog 1 (NIT1) gene, alternatively spliced product, complete cds//  
 3.7e-104:501:98//AF069984  
 55 F-PLACE1001608//HS\_2189\_A1\_G07\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=2189 Col=13 Row=M, genomic survey sequence//2.9e-60:429:84//AQ221959  
 F-PLACE1001610//Homo sapiens clone NH0469M07, WORKING DRAFT SEQUENCE, 7 unordered pieces//  
 4.4e-114:552:98//AC005037

F-PLACE1001611//Human DNA sequence from clone 1039K5 on chromosome 22q12.3-13.2 Contains gene similar to PICK1 perinuclear binding protein, gene similar to monocarboxylate transporter (MCT3), ESTs, STS, GSS and a CpG island, complete sequence.//0.93:131:71//AL031587

5 F-PLACE1001632//Homo sapiens mRNA for KIAA0798 protein, complete cds.//1.1e-74:702:75//AB018341

F-PLACE1001634//Human p190-B (p190-B) mRNA, complete cds.//1.2e-18:114:100//U17032

F-PLACE1001640//Homo sapiens chromosome 17, clone hRPK.651\_L\_9, complete sequence.//7.7e-159:788:97//AC005971

10 F-PLACE1001672//Human DNA sequence from clone 71L16 on chromosome Xp11. Contains a probable Zinc Finger protein (pseudo)gene, an unknown putative gene, a pseudogene with high similarity to part of antigen KI-67, a putative Chondroitin 6-Sulfotransferase LIKE gene and a KIAA0267 LIKE putative Na(+)/H(+) exchanger protein gene. Contains a predicted CpG island, ESTs, STSs and GSSs and genomic markers DXS1003 and DXS1055, complete sequence.//7.8e-36:365:73//AL022165

F-PLACE1001691//Homo sapiens chromosome 17, clone hRPK.294\_J\_22, complete sequence.//9.1e-149:760:96//AC005921

15 F-PLACE1001692//Rat medium-chain S-acyl fatty acid synthetase thio ester hydrolase (MCH), complete cds.//2.9e-57:643:71//M16200

F-PLACE1001705//Homo sapiens chromosome 17, clone hRPK.958\_E\_11, WORKING DRAFT SEQUENCE, 2 ordered pieces.//3.9e-18:284:71//AC005883

F-PLACE1001716//Human mRNA for KIAA0191 gene, partial cds.//6.6e-68:369:73//D83776

20 F-PLACE1001720//Homo sapiens Chromosome 22q11.2 Cosmid Clone 31f3 In IGLC Region, complete sequence.//1.0:274:59//AC000051

F-PLACE1001729//Streptomyces coelicolor cosmid 1C2.//0.22:433:57//AL031124

F-PLACE1001739//Caenorhabditis elegans cosmid C18H7.//0.049:341:61//AF067607

F-PLACE1001740//Homo sapiens chromosome 5, P1 clone 1108H7 (LBNL H81), complete sequence.//4.8e-26:372:68//AC005221

25 F-PLACE1001745

F-PLACE1001746//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from MAL1P1, WORKING DRAFT SEQUENCE.//0.018:472:57//AL031744

F-PLACE1001748//Homo sapiens metalloprotease 1 (MP1) mRNA, complete cds.//8.8e-159:773:97//AF061243

30 F-PLACE1001756//Homo sapiens chromosome 12p13.3 clone RPCI11-303E5, WORKING DRAFT SEQUENCE, 65 unordered pieces.//1.9e-54:274:81//AC005842

F-PLACE1001761//HS\_3027\_A1\_D02\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3027 Col=3 Row=G, genomic survey sequence.//0.095:49:93//AQ130972

F-PLACE1001771//Homo sapiens transient receptor potential protein 6 mRNA, complete cds.//1.0e-146:709:97//AF080394

35 F-PLACE1001781 1.3e-08:238:65//AC005637

F-PLACE1001799//HS\_3075\_B1\_H03\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3075 Col=5 Row=P, genomic survey sequence.//1.7e-09:166:69//AQ138474

F-PLACE1001810//Arabidopsis thaliana genomic DNA, chromosome 3, P1 clone: MRC8, complete sequence.//0.00035:196:66//AB020749

40 F-PLACE1001817//Homo sapiens ATP-specific succinyl-CoA synthetase beta subunit (SCS) mRNA, partial cds.//1.1e-108:546:96//AF058953

F-PLACE1001821//RPCI11-35D17.TK RPCI-11 Homo sapiens genomic clone RPCI-11-35D17, genomic survey sequence.//2.1e-55:300:97//AQ045286

45 F-PLACE1001844//Homo sapiens chromosome 17, clone HCIT462L7, complete sequence.//2.8e-67:443:86//AC005177

F-PLACE1001845//Arabidopsis thaliana chromosome I BAC T25B24 genomic sequence, complete sequence.//0.34:219:64//AC005850

F-PLACE1001869//Klebsiella pneumoniae ribitol kinase (rbtK) and ribitol transporter (rbtT) genes, complete cds.//7.1e-11:505:57//AF045244

50 F-PLACE1001897//RPCI11-46D15.TJ RPCI11 Homo sapiens genomic clone R-46D15, genomic survey sequence.//9.3e-08:383:63//AQ194408

F-PLACE1001912

F-PLACE1001920//Homo sapiens MDC-3.13 isoform 2 mRNA, complete cds.//7.3e-156:753:98//AF099935

55 F-PLACE1001928//HS\_2220\_B2\_G04\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2220 Col=8 Row=N, genomic survey sequence.//2.8e-43:233:97//AQ152361

F-PLACE1001983//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 745C22, WORKING DRAFT SEQUENCE.//1.6e-07:396:62//AL031596

F-PLACE1001989//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 968D22, WORKING DRAFT SEQUENCE.//1.0e-109:602:93//AL023755  
 F-PLACE1002004//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 317E23, WORKING DRAFT SEQUENCE.//1.0e-69:475:87//AL020996  
 5 F-PLACE1002046//Mus musculus ligatin (Lgtn) mRNA, partial cds.//7.2e-97:623:85//U58337  
 F-PLACE1002052//HS\_2178\_B2\_D05\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2178 Col=10 Row=H, genomic survey sequence.//4.8e-22:140:95//AQ307908  
 F-PLACE1002066//Apis mellifera NADH dehydrogenase subunit 2 (ND2) gene, mitochondrial gene encoding mitochondrial protein, partial cds.//0.0063:371:60//U72284  
 10 F-PLACE1002072//Homo sapiens tight junction protein ZO (ZO-2) gene, alternative splice products, promoter and exon A.//0.97:248:60//AF043195  
 F-PLACE1002073//Homo sapiens mRNA for KIAA0606 protein, partial cds.//1.3e-37:635:64//AB011178  
 F-PLACE1002090//Homo sapiens full-length insert cDNA clone ZA85C09.//7.0e-122:583:98//AF086131  
 F-PLACE1002115//nxb0038A20r CUGI Rice BAC Library Oryza sativa genomic clone nxb0038A20r, genomic survey sequence.//0.039:210:69//AQ291086  
 15 F-PLACE1002119//Mus musculus IER5 (Ier5) mRNA, complete cds.//7.1e-61:540:77//AF079527  
 F-PLACE1002140//Homo sapiens DNA sequence from PAC 454M7 on chromosome Xq25-26.3. Contains the OCRL1 gene for Lowe Oculocerebrorenal Syndrome protein OCRL-1. Contains ESTs, STSs and GSSs, complete sequence.//2.1e-125:491:98//AL022162  
 20 F-PLACE1002150//Plasmodium falciparum MAL3P5, complete sequence.//0.12:408:61//AL034556  
 F-PLACE1002157//Homo sapiens BAC clone NH0335J18 from 2, complete sequence.//1.1e-44:515:71//AC005539  
 F-PLACE1002163//Homo sapiens T-cell receptor alpha delta locus from bases 1000498 to 1071650 (section 5 of 5) of the Complete Nucleotide Sequence.//0.98:210:65//AE000662  
 25 F-PLACE1002170//Homo sapiens Xp22 bins 16-17 BAC GSHB-531117 (Genome Systems Human BAC Library) complete sequence.//1.2e-06:283:60//AC004805  
 F-PLACE1002171//Mus musculus interferon alpha/beta receptor (IFNAR) gene, exon 11 and partial cds.//1.0e-24:313:71//U06244  
 F-PLACE1002205//Drosophila melanogaster; Chromosome 3L; Region 79F1-80A2; BAC clone BACR48E05, WORKING DRAFT SEQUENCE, 4 unordered pieces.//1.6e-05:428:60//AC005720  
 30 F-PLACE1002213//HS\_3238\_B1\_G03\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3238 Col=5 Row=N, genomic survey sequence.//2.2e-74:371:98//AQ206965  
 F-PLACE1002227//HS-1056-B1-C01-MF.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 778 Col=1 Row=F, genomic survey sequence.//2.1e-07:174:71//B42800  
 35 F-PLACE1002256//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 3-72, complete sequence.//0.022:458:59//AL010142  
 F-PLACE1002259//Human DNA sequence from clone 246H3 on chromosome 22q11.21-12.2 Contains LRP5 (Lipoprotein Receptor Related Protein) pseudogene, EST, CA repeats (D22S414, D22S925, D22S926), STS, GSS and CpG island, complete sequence.//3.5e-91:637:84//AL022324  
 40 F-PLACE1002319  
 F-PLACE1002342//Caenorhabditis elegans cosmid M03A1.//0.47:403:58//U49956  
 F-PLACE1002395//Homo sapiens chromosome 19, cosmid R28991, complete sequence.//1.9e-127:487:93//AC004623  
 F-PLACE1002399//Homo sapiens chromosome 17, clone hRPK.235\_I\_10, complete sequence.//5.6e-05:474:59//AC005922  
 45 F-PLACE1002433//Drosophila melanogaster fidipidine gene, exons 1-7.//1.7e-11:613:58//AJ011928  
 F-PLACE1002437//M.musculus abc1 mRNA.//5.5e-62:452:85//X75926  
 F-PLACE1002438//Dictyostelium discoideum developmental protein DG1098 (DG1098) gene, partial cds.//0.013:372:59//AF081801  
 50 F-PLACE1002450//HS\_3233\_A1\_G01\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3233 Col=1 Row=M, genomic survey sequence.//3.1e-07:449:59//AQ204769  
 F-PLACE1002465  
 F-PLACE1002474//Mus musculus matrilin-2 precursor mRNA, complete cds.//1.5e-110:720:85//U69262  
 F-PLACE1002477//Homo sapiens Xp22-171-173 BAC GSHB-31214 (Genome Systems Human BAC Library) complete sequence.//3.9e-05:195:71//AC005926  
 55 F-PLACE1002493//Homo sapiens 3p22-8 PAC RPC14-736H12 (Roswell Park Cancer Institute Human PAC Library) complete sequence.//0.020:301:60//AC006060  
 F-PLACE1002499

F-PLACE1002500//Rattus norvegicus zinc transporter (ZnT-2) mRNA, complete cds.//2.1e-58:465:80//U50927  
 F-PLACE1002514//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 292E10, WORKING  
 DRAFT SEQUENCE.//3.7e-08:139:76//Z93930  
 F-PLACE1002529//Homo sapiens mRNA for KIAA0713 protein, partial cds.//9.0e-143:583:95//AB018256  
 5 F-PLACE1002532//Homo sapiens BAC clone RG300E22 from 7q21-q31.1, complete sequence.//0.00019:193:  
 65//AC004774  
 F-PLACE1002537//Human DNA sequence from clone 127F18 on chromosome Xp11.4-21.3. Contains part of a  
 novel gene with some similarity to parts of chicken Myosin Light Chain and various species' Interleukin-1 Receptor  
 Type 1 (IL1-R-1). Contains GSSs, complete sequence.//4.7e-25:198:84//AL031575  
 10 F-PLACE1002571//Drosophila melanogaster actin-related protein mRNA, complete cds.//2.0e-13:400:60//L25314  
 F-PLACE1002578//Homo sapiens Xq28 BACs 360 F12, GSHB-555C13, complete sequence.//3.5e-11:167:72//  
 AC002523  
 F-PLACE1002583//Mus musculus glutamate receptor subunit (GluR6) gene, partial cds.//4.2e-09:370:61//U31443  
 F-PLACE1002591//H.sapiens mRNA for coronin.//7.2e-26:279:74//X89109  
 15 F-PLACE1002598//Homo sapiens clone GS308H05, WORKING DRAFT SEQUENCE, 6 unordered pieces.//  
 0.0013:375:64//AC005537  
 F-PLACE1002604//Hansenula wingei mitochondrial DNA, complete sequence.//4.7e-05:556:59//D31785  
 F-PLACE1002625  
 F-PLACE1002655//Homo sapiens PAC clone DJ0722F20 from 7q31.1-q31.3, complete sequence.//1.6e-128:229:  
 20 92//AC005281  
 F-PLACE1002665//Mus musculus enhancer of polycomb (Epc1) mRNA, complete cds.//3.6e-107:706:84//  
 AF079765  
 F-PLACE1002685//Homo sapiens B cell linker protein BLNK mRNA, alternatively spliced, complete cds.//3.4e-  
 186:804:97//AF068180  
 25 F-PLACE1002714//Mus musculus cathepsin S (CatS) gene, promoter region and exons 1 and 2.//2.3e-16:474:  
 64//AF051726  
 F-PLACE1002722//Sequence 1 from patent US 5686597.//1.7e-107:552:95//I73723  
 F-PLACE1002768//Human DNA sequence from clone 726F20 on chromosome 1p36.11-36.23. Contains ESTs  
 and a GSS, complete sequence.//0.0076:161:70//AL031273  
 30 F-PLACE1002772//HS\_3058\_A1\_D02\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3058 Col=3 Row=G, genomic survey sequence.//0.0046:192:64//AQ134567  
 F-PLACE1002775//Mus musculus bromodomain-containing protein BP75 mRNA, complete cds.//7.6e-14:459:62//  
 AF084259  
 F-PLACE1002782//Rattus norvegicus zinc transporter (ZnT-2) mRNA, complete cds.//3.6e-43:385:77//U50927  
 35 F-PLACE1002794//CIT-HSP-2368A17.TR CIT-HSP Homo sapiens genomic clone 2368A17, genomic survey se-  
 quence.//1.3e-71:368:96//AQ075879  
 F-PLACE1002811//Human mRNA for KIAA0172 gene, partial cds.//1.8e-44:567:70//D79994  
 F-PLACE1002815//Sequence 25 from patent US 5747660.//2.6e-07:150:73//AR005295  
 F-PLACE1002816//Homo sapiens antigen NY-CO-9 (NY-CO-9) mRNA, partial cds.//1.3e-68:687:73//AF039691  
 40 F-PLACE1002834//Figure 2. Nucleotide and translated protein sequences of HPF1, -2, and 9.//9.3e-41:240:93//  
 M27877  
 F-PLACE1002839//Human BAC clone RG205G13 from 7q31, complete sequence.//0.00087:213:63//AC003045  
 F-PLACE1002851//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-420 genomic sequence, WORKING  
 DRAFT SEQUENCE, 14 unordered pieces.//0.0032:269:66//AC005140  
 45 F-PLACE1002853//Leishmania tarentolae kinetoplast pre-edited mitochondrial maxicircle DNA complete tran-  
 scribed region and flanks.//0.032:275:62//M10126  
 F-PLACE1002881//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 111B22, WORKING  
 DRAFT SEQUENCE.//4.7e-38:355:76//Z98200  
 F-PLACE1002908//Gallus gallus beta-1,4-galactosyltransferase (CKII) mRNA, complete cds.//0.00012:200:64//  
 50 U19889  
 F-PLACE1002941//Human BAC clone RG161K23 from 7q21, complete sequence.//1.1e-14:241:70//AC000120  
 F-PLACE1002962  
 F-PLACE1002968//Plasmodium falciparum MAL3P2, complete sequence.//0.21:410:59//AL034558  
 F-PLACE1002991//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 968D22, WORKING  
 55 DRAFT SEQUENCE.//6.8e-121:605:93//AL023755  
 F-PLACE1002993//CIT-HSP-2338I16.TF CIT-HSP Homo sapiens genomic clone 2338I16, genomic survey se-  
 quence.//1.9e-13:100:95//AQ054760  
 F-PLACE1002996//Mouse U6 RNA gene.//2.0e-13:113:90//X06980

F-PLACE1003025//Plasmodium falciparum MAL3P6, complete sequence.//0.84:374:58//Z98551  
 F-PLACE1003027//Homo sapiens mRNA for KIAA0516 protein, partial cds.//6.1e-130:632:97//AB011088  
 F-PLACE1003044//cDNA encoding novel rat protein TIP120 which is formed of complex with TBP (TATA binding protein).//1.6e-123:687:91//E12829  
 5 F-PLACE1003045//H.sapiens CpG island DNA genomic Mse1 fragment, clone 47g6, forward read cpg47g6.ft1a.//0.0064:52:96//Z61200  
 F-PLACE1003092//CIT-HSP-387P22.TRB CIT-HSP Homo sapiens genomic clone 387P22, genomic survey sequence.//0.0031:249:63//B60158  
 F-PLACE1003100//Human Hep27 protein mRNA, complete cds.//8.9e-65:650:73//J31875  
 10 F-PLACE1003108  
 F-PLACE1003136//Homo sapiens chromosome 5, P1 clone 1130f1 (LBNL H40), complete sequence.//6.3e-46:606:68//AC004219  
 F-PLACE1003145  
 F-PLACE1003153//RPCI11-13P16.TP RPCI-11 Homo sapiens genomic clone RPCI-11-13P16, genomic survey sequence.//2.7e-63:478:82//B76206  
 15 F-PLACE1003174//Human DNA sequence from clone 441J1 on chromosome 6p24 Contains STS, GSS, complete sequence.//0.61:147:65//Z99495  
 F-PLACE1003176//HS\_2255\_A2\_B01\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2255 Col=2 Row=C, genomic survey sequence.//6.3e-09:137:76//AQ131934  
 20 F-PLACE1003190//Homo sapiens clone RG332P12, WORKING DRAFT SEQUENCE, 1 unordered pieces.//2.4e-138:791:901//AC005095  
 F-PLACE1003200//P.falciparum complete gene map of plastid-like DNA (IR-B).//8.7e-06:728:57//X95276  
 F-PLACE1003205//Human BAC clone RG354L07 from 7q31, complete sequence.//7.5e-05:249:63//AC002466  
 F-PLACE1003238//HS\_3239\_A2\_G02\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3239 Col=4 Row=M, genomic survey sequence.//0.36:64:87//AQ209954  
 25 F-PLACE1003249  
 F-PLACE1003256  
 F-PLACE1003258//HS\_3223\_A1\_G10\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3223 Col=19 Row=M, genomic survey sequence.//1.4e-07:227:65//AQ190317  
 30 F-PLACE1003296//CIT-HSP-2337F11.TF CIT-HSP Homo sapiens genomic clone 2337F11, genomic survey sequence.//1.1e-13:97:95//AQ057429  
 F-PLACE1003302//Figure 2. Nucleotide and translated protein sequences of HPF1, -2, and 9.//2.3e-92:485:95//M27877  
 F-PLACE1003334  
 35 F-PLACE1003342  
 F-PLACE1003343//Homo sapiens clone DJ1022114, WORKING DRAFT SEQUENCE, 14 unordered pieces.//1.0e-20:179:84//AC004951  
 F-PLACE1003353//Homo sapiens breast cancer antiestrogen resistance 3 protein (BCAR3) mRNA, complete cds.//8.0e-143:773:92//J92715  
 40 F-PLACE1003361//Human Cosmid g1248a143 from 7q31.3, complete sequence.//1.9e-30:402:70//AC004095  
 F-PLACE1003366  
 F-PLACE1003369//Plasmodium falciparum MAL3P2, complete sequence.//7.6e-07:378:60//AL034558  
 F-PLACE1003373//Homo sapiens PAC clone DJ0740L10 from 7p13-p14, complete sequence.//6.0e-18:471:61//AC005247  
 45 F-PLACE1003375  
 F-PLACE1003383//Homo sapiens genomic DNA of 9q32 anti-oncogene of flat epithelium cancer, segment 10/10.//2.3e-157:779:96//AB020878  
 F-PLACE1003394//Sprague-Dawley (clone LRB13) RAB14 mRNA, complete cds.//1.2e-104:596:91//M83680  
 F-PLACE1003401//RPCI11-71J5.TJ RPCI11 Homo sapiens genomic clone R-71J5, genomic survey sequence.//0.85:140:65//AQ268588  
 50 F-PLACE1003420//Caenorhabditis elegans DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y1E3, WORKING DRAFT SEQUENCE.//0.0015:286:60//AL021388  
 F-PLACE1003454//Plasmodium falciparum microsatellite pe63 sequence.//0.0084:219:61//AF015470  
 F-PLACE1003478//Homo sapiens calcium-dependent chloride channel-1 (hCLCA1) gene, complete cds.//1.3e-11:746:60//AF039401  
 55 F-PLACE1003493  
 F-PLACE1003516//Homo sapiens chromosome 17, clone HRP987K16, complete sequence.//8.2e-41:379:78//AC002994



- F-PLACE1003519//Homo sapiens chromosome 21q22.3 PAC 141B3, complete sequence, containing ribosomal protein homologue pseudogene L23a.//6.2e-21:247:76//AF064859
- F-PLACE1003521//Human DNA sequence from PAC 257A7 on chromosome 6p24. Contains two unknown genes and ESTs, STSs and a GSS.//4.4e-68:502:79//AL008729
- 5 F-PLACE1003528//Homo sapiens DNA sequence from clone 78F24 on chromosome 22q12.1-12.3. Contains one exon of an Oxysterol-binding protein (OSBP) LIKE gene. Contains GSSs and an STS, complete sequence.//1.0:323:58//AL022336
- F-PLACE1003537//Homo sapiens multispanning membrane protein mRNA, complete cds.//0.0054:322:59//U94831
- 10 F-PLACE1003553//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 97P20, WORKING DRAFT SEQUENCE.//2.9e-78:267:88//AL031297
- F-PLACE1003566//Plasmodium falciparum MAL3P3, complete sequence.//0.00026:514:58//Z98547
- F-PLACE1003575//Plasmodium falciparum 3D7 chromosome 12 PFYAC69 genomic sequence, WORKING DRAFT SEQUENCE, 4 unordered pieces.//0.079:755:54//AC004688
- 15 F-PLACE1003583//Human DNA sequence from clone 246H3 on chromosome 22q11.21-12.2 Contains LRP5 (Lipoprotein Receptor Related Protein) pseudogene, EST, CA repeats (D22S414, D22S925, D22S926), STS, GSS and CpG island, complete sequence.//1.1e-41:212:74//AL022324
- F-PLACE1003584//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 4-56, complete sequence.//0.0038:465:57//AL010230
- 20 F-PLACE1003592//Homo sapiens chromosome 17, clone 296K1, WORKING DRAFT SEQUENCE, 10 unordered pieces.//0.72:111:71//AC002557
- F-PLACE1003593//Human PAC clone DJ318C15 from Xq23, complete sequence.//0.096:162:66//AC002476
- F-PLACE1003596//Mus musculus integral membrane protein 1 (Itm1) mRNA, complete cds.//1.4e-54:685:68//L34260
- 25 F-PLACE1003602//Homo sapiens mRNA expressed in placenta.//1.1e-138:679:97//D83200
- F-PLACE1003605//Homo sapiens chromosome 16, cosmid clone RT81 (LANL), complete sequence.//0.0074:265:63//AC005356
- F-PLACE1003611//HS\_2198\_B1\_D02\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2198 Col=3 Row=H, genomic survey sequence.//2.1e-23:137:97//AQ184475
- 30 F-PLACE1003618//Homo sapiens chromosome 4 clone C0011C13 map 4p16, complete sequence.//3.0e-122:725:89//AC006226
- F-PLACE1003625//HS\_2238\_B2\_D11\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2238 Col=22 Row=H, genomic survey sequence.//4.8e-12:92:94//AQ065662
- F-PLACE1003638//Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MKD10, complete sequence.//0.043:264:63//AB011478
- 35 F-PLACE1003669
- F-PLACE1003704//RPCI11-23H21.TKBF RPCI-11 Homo sapiens genomic clone RPCI-11-23H21, genomic survey sequence.//7.1e-31:199:91//AQ013830
- F-PLACE1003709//Homo sapiens mitotic checkpoint kinase Bub1 (BUB1) mRNA, complete cds.//4.3e-132:669:95//AF053305
- 40 F-PLACE1003711//Homo sapiens DNA sequence from PAC 163M9 on chromosome 1p35.1-p36.21. Contains protein synthesis factor (elF-4C), D1F15S1A pseudogene, ESTs, STS, GSS, complete sequence.//1.5e-31:166:99//AL021920
- F-PLACE1003723//HS\_2231\_A2\_C07\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2231 Col=14 Row=E, genomic survey sequence.//1.2e-12:114:90//AQ235672
- 45 F-PLACE1003738//Human zinc finger protein 42 (MZF-1) mRNA, complete cds.//5.9e-33:592:67//M58297
- F-PLACE1003760//Homo sapiens tetraspan TM4SF (TSPAN-3) mRNA, complete cds.//3.6e-11:92:93//AF054840
- F-PLACE1003762
- F-PLACE1003768//Homo sapiens genomic DNA, chromosome 21q22.2 (Down Syndrome region), segment 7/15, WORKING DRAFT SEQUENCE.//4.8e-77:737:76//AP000014
- 50 F-PLACE1003771//Homo sapiens BAC clone GS164B05 from 7p21-p22, complete sequence.//2.1e-164:793:98//AC004160
- F-PLACE1003783//HS\_2190\_A2\_C02\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2190 Col=4 Row=E, genomic survey sequence.//1.1e-26:147:100//AQ218757
- 55 F-PLACE1003784//Homo sapiens Xp22-150 BAC GSHB-309P15 (Genome Systems Human BAC Library) complete sequence.//4.5e-57:706:68//AC006210
- F-PLACE1003795//Homo sapiens Xq28 genomic DNA in the region of the L1CAM locus containing the genes for neural cell adhesion molecule L1 (L1CAM), arginine-vasopressin receptor (AVPR2), C1 p115 (C1), ARD1 N-acetyl-

- transferase related protein (TE2), renin-binding protein (RbP), host cell factor 1 (HCF1), and interleukin-1 receptor-associated kinase (IRAK) genes, complete cds, and Xq281u2 gene.//0.015:296:60//U52112  
 F-PLACE1003833//Homo sapiens DNA sequence from cosmid N75B3 on chromosome 22 Contains EST, exon trap, complete sequence //0.52:212:64//AL022339
- 5 F-PLACE1003850//P.falciparum histidine-rich protein genes //0.39:330:60//M17028  
 F-PLACE1003858//Human DNA sequence from PAC 332O11 on chromosome 1q24-1q25. Contains ESTs and STSs.//4.8e-07:461:59//Z98043  
 F-PLACE1003864//Plasmodium falciparum 3D7 chromosome 12 PFYAC336 genomic sequence, WORKING DRAFT SEQUENCE, 5 unordered pieces.//0.026:538:56//AC005139
- 10 F-PLACE1003870//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 54B20, WORKING DRAFT SEQUENCE.//6.5e-06:175:69//Z98304  
 F-PLACE1003885//Mus musculus poly(A) polymerase VI mRNA, complete cds.//9.4e-75:754:72//U58134  
 F-PLACE1003886//Homo sapiens clone NH0001P09, WORKING DRAFT SEQUENCE, 1 unordered pieces.//6.7e-20:432:64//AC006030
- 15 F-PLACE1003888//Human mRNA for phospholipase C, complete cds.//2.6e-53:702:67//D42108  
 F-PLACE1003892//RPCI11-24P17.TV RPCI-11 Homo sapiens genomic clone RPCI-11-24P17, genomic survey sequence.//3.3e-20:245:65//B86759  
 F-PLACE1003900//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 328E19, WORKING DRAFT SEQUENCE.//2.5e-17:260:71//AL022240
- 20 F-PLACE1003903//Mus musculus CTP synthetase homolog (CTPsh) mRNA, complete cds.//2.7e-86:533:87//U49385  
 F-PLACE1003915//Mus musculus clone OST1963, genomic survey sequence.//6.4e-29:251:80//AF046591  
 F-PLACE1003923//Homo sapiens full-length insert cDNA clone ZD40A05.//2.8e-25:316:70//AF086251  
 F-PLACE1003932//Plasmodium falciparum 3D7 chromosome 12 PFYAC181 genomic sequence, WORKING DRAFT SEQUENCE, 8 unordered pieces.//1.6e-05:652:58//AC005505
- 25 F-PLACE1003936//CIT-HSP-2387C11.TR.1 CIT-HSP Homo sapiens genomic clone 2387C11, genomic survey sequence.//1.0:223:62//AQ239494  
 F-PLACE1003968//Rattus norvegicus 5'-AMP-activated protein kinase, gamma-1 subunit mRNA, complete cds.//5.2e-47:505:72//U42413
- 30 F-PLACE1004103//Homo sapiens chromosome 19, cosmid R28784, complete sequence.//6.7e-29:241:84//AC005954  
 F-PLACE1004104//Rattus norvegicus rsec5 mRNA, complete cds.//3.0e-115:719:86//AF032666  
 F-PLACE1004114//Homo sapiens Chromosome 22q11.2 BAC Clone 77h2 In CES Region, WORKING DRAFT SEQUENCE, 7 unordered pieces.//1.5e-22:213:80//AC000052
- 35 F-PLACE1004118//Pseudorabies virus with upstream and downstream sequences.//0.87:209:64//M34651  
 F-PLACE1004128//M.musculus G protein beta-subunit mRNA, complete cds.//2.5e-62:437:84//M63658  
 F-PLACE1004149//Oryctolagus cuniculus translation initiation factor eIF2C mRNA, complete cds.//1.4e-16:342:65//AF005355  
 F-PLACE1004156//Homo sapiens DNA sequence from PAC 57E3 on chromosome 6p12.1-21.1. Contains GSSs and an STS with a TATC repeat polymorphism, complete sequence.//1.2e-26:299:74//AL022099
- 40 F-PLACE1004161  
 F-PLACE1004183//Homo sapiens for TOM1-like protein.//1.2e-146:731:96//AJ010071  
 F-PLACE1004197  
 F-PLACE1004203//Homo sapiens GPI-anchored membrane protein CDw108 precursor, mRNA, complete cds.//4.0e-144:695:98//AF069493
- 45 F-PLACE1004242//Homo sapiens DNA sequence from PAC 124C6 on chromosome 6q21. Contains genomic marker D6S1603, ESTs, GSSs and a STS with a CA repeat polymorphism, complete sequence.//2.3e-151:772:95//AL021326  
 F-PLACE1004256//HS\_2010\_B2\_G04\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2010 Col=8 Row=N, genomic survey sequence.//1.5e-44:372:79//AQ252434
- 50 F-PLACE1004257//Homo sapiens BAC clone NH0342K06 from 2, complete sequence.//0.00011:349:63//AC005034  
 F-PLACE1004258//Homo sapiens DNA sequence from PAC 779B17 on chromosome 22q13.1. Contains exon trap, complete sequence.//0.77:475:59//AL021806
- 55 F-PLACE1004270//Human IgA C alpha 1 switch region (Sa1).//1.7e-08:622:61//L19121  
 F-PLACE1004274//H.sapiens CpG island DNA genomic Mse1 fragment, clone 18g6, forward read cpg18g6.ft1b.//8.6e-37:196:98//Z57691  
 F-PLACE1004277//Homo sapiens two pore domain K+ channel (TASK-2) mRNA, complete cds.//6.0e-156:756:

97//AF084830  
 F-PLACE1004284//Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MPI7, complete sequence.//  
 0.0060:635:57//AB011480  
 F-PLACE1004289//HS\_3023\_B1\_E04\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 5 nomic clone Plate=3023 Col=7 Row=J, genomic survey sequence.//2.4e-12:86:98//AQ094451  
 F-PLACE1004302//Streptomyces coelicolor cosmid 7H1.//0.26:297:64//AL021411  
 F-PLACE1004316//H.sapiens mRNA for apoptosis specific protein.//2.9e-150:797:94//Y11588  
 F-PLACE1004336//Drosophila melanogaster DNA sequence (P1 DS07968 (D117)), complete sequence.//0.87:  
 206:59//AC004267  
 10 F-PLACE1004358//Homo sapiens connector enhancer of KSR-like protein CNK1 mRNA, complete cds.//5.9e-139:  
 688:97//AF100153  
 F-PLACE1004376//Mus musculus clone OST20307, genomic survey sequence.//4.1e-81:498:89//AF046631  
 F-PLACE1004384//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1121J18, WORKING  
 DRAFT SEQUENCE.//3.6e-41:482:73//AL031653  
 15 F-PLACE1004388//Caenorhabditis elegans cosmid K08F11.//8.6e-26:615:62//U70855  
 F-PLACE1004405//Homo sapiens clone GS512I21, WORKING DRAFT SEQUENCE, 9 unordered pieces.//9.2e-  
 150:749:96//AC005027  
 F-PLACE1004425//Homo sapiens PAC clone DJ0733B09 from 7p14-p13, complete sequence.//2.4e-08:129:76//  
 AC005532  
 20 F-PLACE1004428//R.norvegicus mRNA for Pristanoyl-CoA Oxidase.//7.0e-17:549:61//X95188  
 F-PLACE1004437//Human NAD+-specific isocitrate dehydrogenase beta subunit precursor, mRNA, nuclear gene  
 encoding mitochondrial protein, complete cds.//3.1e-129:536:99//U49283  
 F-PLACE1004451//Human DNA sequence from PAC 214K23, BRCA2 gene region chromosome 13q12-13 con-  
 tains BRCA2 exons 1-24, Interferon Induced 56Kd pseudogene and ESTs.//4.8e-23:231:71//Z74739  
 25 F-PLACE1004460//Homo sapiens PAC clone DJ1064B22 from 7q21, complete sequence.//0.96:454:56//  
 AC004954  
 F-PLACE1004467//HS\_2058\_B1\_C09\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=2058 Col=17 Row=F, genomic survey sequence.//2.4e-87:433:98//AQ242700  
 F-PLACE1004471//Figure 2. Nucleotide and translated protein sequences of HPF1, -2, and -9.//1.4e-74:665:70//  
 30 M27877  
 F-PLACE1004473//CIT-HSP-2045A15.TF CIT-HSP Homo sapiens genomic clone 2045A15; genomic survey se-  
 quence.//3.3e-20:140:92//B80243  
 F-PLACE1004491//Plasmodium falciparum 3D7 chromosome 12 PFYAC1122 genomic sequence, WORKING  
 DRAFT SEQUENCE, 3 unordered pieces.//9.9e-05:794:57//AC004709  
 35 F-PLACE1004506//Human Gx-alpha gene.//1.0e-05:231:63//D90150  
 F-PLACE1004510//Homo sapiens TATA binding protein associated factor (TAFII150) mRNA, complete cds.//3.2e-  
 146:699:98//AF040701  
 F-PLACE1004516//Human DNA sequence from cosmid SRL9A13, chromosome region 11p13. Contains EST.//  
 1.4e-33:367:71//Z86001  
 40 F-PLACE1004518  
 F-PLACE1004548//Dictyostelium discoideum MigA (migA) gene, complete cds.//2.6e-05:318:62//U86962  
 F-PLACE1004550//Human FMR1 gene, 5' end.//0.0018:142:66//L19476  
 F-PLACE1004564//B.taurus mRNA for cleavage and polyadenylation specificity factor.//1.7e-114:513:85//X75931  
 F-PLACE1004629//Anolis carolinensis Brain-1 gene, complete cds.//0.00013:188:67//AB001868  
 45 F-PLACE1004645//Mycobacterium tuberculosis H37Rv complete genome; segment 138/162.//0.66:337:60//  
 Z95120  
 F-PLACE1004646//Rattus norvegicus retinal pigment epithelium-specific protein (Rpe65) mRNA, complete cds.//  
 1.1e-19:326:63//AF035673  
 F-PLACE1004658//H.sapiens CpG island DNA genomic Mse1 fragment, clone 55h1, forward read cpg55h1.ft1a./  
 50 12.4e-34:188:98//Z61632  
 F-PLACE1004664//Caenorhabditis elegans cosmid W10G6, complete sequence.//1.0:148:65//Z81140  
 F-PLACE1004672//Human ABL gene, exon 1b and intron 1b, and putative M8604 Met protein (M8604 Met) gene,  
 complete cds.//1.9e-101:182:95//U07561  
 F-PLACE1004674//Homo sapiens calcium binding protein (ALG-2) mRNA, complete cds.//4.3e-109:625:91//  
 55 AF035606  
 F-PLACE1004681//Homo sapiens genomic DNA of 8p21.3-p22 anti-oncogene of hepatocellular colorectal and  
 non-small cell lung cancer, segment 3/11.//1.9e-152:759:96//AB020860  
 F-PLACE1004686//Homo sapiens DNA sequence from PAC 179N16 on chromosome 6p21.1-21.33. Contains the

- SAPK4 (MAPK p38delta) gene, and the alternatively spliced SAPK2 gene coding for CSaids binding protein CSBP2 and a MAPK p38beta LIKE protein. Contains ESTs, STSs and two predicted CpG islands, complete sequence//1.2e-34:320:71//Z95152
- 5 F-PLACE1004691//HS\_3044\_A1\_G01\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3044 Col=1 Row=M, genomic survey sequence//0.018:191:63//AQ098323
- F-PLACE1004693//Human DNA sequence from clone 353H6 on chromosome Xq25-26.2. Contains the alternatively spliced SMARCA1 gene for SW1/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 1 (SNF2L1) and a 40S Ribosomal Protein S26 pseudogene. Contains ESTs, STSs and GSSs, complete sequence//0.28:573:57//AL022577
- 10 F-PLACE1004716//Plasmodium falciparum MAL3P6, complete sequence//0.00081:428:59//Z98551
- F-PLACE1004722//HS\_3052\_B1\_C10\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3052 Col=19 Row=F, genomic survey sequence//2.3e-05:104:75//AQ134959
- F-PLACE1004736//CIT-HSP-2365J21.TF CIT-HSP Homo sapiens genomic clone 2365J21, genomic survey sequence//1.3e-24:180:88//AQ080498
- 15 F-PLACE1004740//RPC111-58A7.TJ RPC111 Homo sapiens genomic clone R-58A7, genomic survey sequence//8.6e-26:522:65//AQ195766
- F-PLACE1004743//Mus musculus ubiquitin-protein ligase E3-alpha (Ubr1) mRNA, complete cds//1.1e-112:711:86//AF061555
- F-PLACE1004751
- 20 F-PLACE1004773//Homo sapiens inversin protein mRNA, complete cds//5.4e-171:828:97//AF084367
- F-PLACE1004777//Rattus norvegicus mRNA for myosin-RhoGAP protein Myr 7//4.2e-134:763:90//AJ001713
- F-PLACE1004793//Human DNA sequence from clone 323P24 on chromosome Xp11.21-11.23 Contains SPIN (spindlin homolog (PROTEIN DXF34), hypothetical protein EST, STS, GSS, complete sequence//9.3e-132:759:90//AL022157
- 25 F-PLACE1004804
- F-PLACE1004813//Plasmodium falciparum 3D7 chromosome 12 PFYAC588 genomic sequence, WORKING DRAFT SEQUENCE, 2 unordered pieces//6.5e-06:403:58//AC004710
- F-PLACE1004814//Homo sapiens chromosome 17, clone hRPK.294\_J\_22, complete sequence//9.8e-39:207:99//AC005921
- 30 F-PLACE1004815//Homo sapiens PAC clone DJ0651K02 from 7p21-p22, complete sequence//8.1e-15:203:73//AC004613
- F-PLACE1004824//G.gallus PB1 gene//1.1e-103:759:80//X90849
- F-PLACE1004827//HS\_2230\_A2\_A05\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2230 Col=10 Row=A, genomic survey sequence//4.1e-38:330:81//AQ299313
- 35 F-PLACE1004836//H.sapiens nidogen gene (exon 8)//0.97:116:68//X84825
- F-PLACE1004838//HS\_3241\_A2\_A04\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3241 Col=8 Row=A, genomic survey sequence//1.8e-87:425:98//AQ206740
- F-PLACE1004840//Sequence 2 from patent US 5728819//6.7e-47:285:91//I92819
- F-PLACE1004868
- 40 F-PLACE1004885//Arabidopsis thaliana DNA chromosome 4, ESSA I contig fragment No. 9//0.14:465:59//Z97344
- F-PLACE1004900
- F-PLACE1004902//CITBI-E1-2510J4.TR CITBI-E1 Homo sapiens genomic clone 2510J4, genomic survey sequence//3.6e-06:56:100//AQ261184
- F-PLACE1004913//Homo sapiens BAC clone RG054D04 from 7q31, complete sequence//2.6e-151:770:91//AC005058
- 45 F-PLACE1004918//Mus musculus signaling molecule (ATTP) mRNA, complete cds//2.6e-68:459:84//U97571
- F-PLACE1004930//Homo sapiens TNF-induced protein GG2-1 mRNA, complete cds//4.4e-106:545:95//AF070671
- F-PLACE1004934//Human DNA sequence from clone 192P9 on chromosome Xp11.23-11.4. Contains a pseudogene similar to rat Plasmolipin, ESTs and GSSs, complete sequence//3.5e-45:226:84//AL020989
- 50 F-PLACE1004937
- F-PLACE1004969
- F-PLACE1004972//Homo sapiens PAC clone DJ0612F12 from 7p12-p14, complete sequence//0.012:316:61//AC004843
- 55 F-PLACE1004979//Human DNA sequence from clone 142F18 on chromosome Xq26.3-27.2 Contains part of a gene similar to melanoma-associated antigen, EST, GSS and an inverted repeat, complete sequence//4.7e-39:394:77//AL031073
- F-PLACE1004982//Caenorhabditis elegans cosmid B0507//0.16:167:65//U64833

# EP 1 074 617 A2

F-PLACE1004985//Plasmodium falciparum chromosome 2, section 10 of 73 of the complete sequence.//8.8e-14:590:61//AE001373  
F-PLACE1005026  
F-PLACE1005027  
5 F-PLACE1005046  
F-PLACE1005052//Homo sapiens chromosome Xp22-135-136 clone GSHB-56711, WORKING DRAFT SEQUENCE, 35 unordered pieces.//2.1e-135:675:97//AC005867  
F-PLACE1005055//Homo sapiens mRNA for KIAA0576 protein, partial cds.//1.9e-159:761:98//AB011148  
F-PLACE1005066//Homo sapiens actin binding protein MAYVEN mRNA, complete cds.//9.2e-10:757:56//  
10 AF059569  
F-PLACE1005077  
F-PLACE1005085//Homo sapiens Xp22-132-134 BAC GSHB-590J15 (Genome Systems Human BAC library) complete sequence.//6.9e-29:253:77//AC004673  
F-PLACE1005086//Homo sapiens chromosome 17, clone HCIT11023, complete sequence.//6.5e-52:446:78//  
15 AC002316  
F-PLACE1005101//Homo sapiens clone DJ0414A15, WORKING DRAFT SEQUENCE, 9 unordered pieces.//2.0e-146:734:96//AC005225  
F-PLACE1005102//Homo sapiens chromosome 19, cosmid R29388, complete sequence.//9.8e-83:254:95//AC004476  
20 F-PLACE1005108//Human BAC clone RG009H02 from 7q31, complete sequence.//0.46:179:64//AC003081  
F-PLACE1005111  
F-PLACE1005128//Bovine herpesvirus type 1 early-intermediate transcription control protein (BICP4) gene, complete cds.//0.00051:287:63//L14320  
F-PLACE1005146//HS\_3071\_A1\_E03\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3071 Col=5 Row=I, genomic survey sequence.//7.4e-38:299:82//AQ103361  
25 F-PLACE1005162//Human BAC clone GS306C12 from 7q21-q22, complete sequence.//2.6e-44:346:82//AC002451  
F-PLACE1005176  
F-PLACE1005181//CIT-HSP-2340O5.TR CIT-HSP Homo sapiens genomic clone 2340O5, genomic survey sequence.//0.99:211:63//AQ054651  
30 F-PLACE1005187//CIT-HSP-2358N6.TR CIT-HSP Homo sapiens genomic clone 2358N6, genomic survey sequence.//2.7e-07:80:90//AQ074445  
F-PLACE1005206//Human BAC clone 133K23 from 7q31.2, complete sequence.//0.98:216:61//AC000061  
F-PLACE1005232//Homo sapiens clone DJ1106H14, WORKING DRAFT SEQUENCE, 42 unordered pieces.//  
35 0.70:245:63//AC004965  
F-PLACE1005243  
F-PLACE1005261//Caenorhabditis elegans cosmid T05H10, complete sequence.//0.00041:254:61//Z47812  
F-PLACE1005266//H.sapiens mRNA (fetal brain cDNA a4\_2g).//9.6e-33:177:98//Z70695  
F-PLACE1005277//Homo sapiens mRNA for KIAA0610 protein, partial cds.//1.6e-148:706:98//AB011182  
40 F-PLACE1005287//Plasmodium falciparum (MESA) mRNA exons 1-2, complete cds.//2.8e-15:737:60//M69183  
F-PLACE1005305//Bovine mitochondrial GTP:AMP phosphotransferase mRNA, complete cds.//3.8e-111:728:84//M25757  
F-PLACE1005308//Clethrionomys glareolus endogenous retroviral sequence ERV-L pol gene, clone ERV-L Vole Cg14.//1.0:128:67//AJ233621  
45 F-PLACE1005313//Caenorhabditis elegans cosmid D2092.//8.8e-11:342:62//U88167  
F-PLACE1005327//HS\_3080\_B2\_A12\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3080 Col=24 Row=B, genomic survey sequence.//4.1e-25:147:96//AQ139116  
F-PLACE1005331//Homo sapiens chromosome 19, cosmid F20569, complete sequence.//1.4e-132:399:94//AC004794  
50 F-PLACE1005335//Human Chromosome 3 pac pDJ70i11, WORKING DRAFT SEQUENCE, 2 unordered pieces.//5.5e-114:237:92//AC000380  
F-PLACE1005373  
F-PLACE1005374//Homo sapiens chromosome 7 common fragile site, complete sequence.//0.20:305:58//AF017104  
55 F-PLACE1005409//Human BAC clone RG167B05 from 7q21, complete sequence.//2.5e-148:760:95//AC003991  
F-PLACE1005453//Caenorhabditis elegans DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y48A6, WORKING DRAFT SEQUENCE.//0.00069:582:59//Z92854  
F-PLACE1005467//Rat mRNA.//0.0014:131:70//M59859

- F-PLACE1005471//Human DNA sequence from clone 4514 on chromosome 6q24.1-24.3. Contains two putative unknown genes, ESTs, STSs and GSSs, complete sequence.//3.0e-23:530:67//AL023581  
F-PLACE1005477//Human DNA sequence from clone J181N11, WORKING DRAFT SEQUENCE.//3.3e-131:814:88//Z82191
- 5 F-PLACE1005480//Homo sapiens DNA sequence from PAC 257I20 on chromosome 22q13.1-13.2. Contains cytochrome P450 pseudogenes CYP2D7P, CYP2D8P, CYP2D6(D), TCF20, NADH ubiquinone oxidoreductase B14 subunit, ESTs, CA repeat, STS, GSS.//7.0e-34:246:73//AL021878  
F-PLACE1005481//RPC111-74L17.TJ RPC111 Homo sapiens genomic clone R-74L17, genomic survey sequence.//0.37:403:57//AQ266885
- 10 F-PLACE1005494//Homo sapiens transient receptor potential protein 6 mRNA, complete cds.//2.1e-67:325:99//AF080394  
F-PLACE1005502//Homo sapiens BAC clone NH0161H12 from 7p14-p15, complete sequence.//0.015:403:61//AC005589  
F-PLACE1005526//H.sapiens CpG island DNA genomic MseI fragment, clone 9f1, reverse read cpg9f1.r1a.//3.6e-27:159:96//Z66485
- 15 F-PLACE1005528//Homo sapiens genomic DNA, chromosome 21q11.1, segment 9/28, WORKING DRAFT SEQUENCE.//2.6e-28:449:67//AP000038  
F-PLACE1005530//Homo sapiens clone DJ0691L07, complete sequence.//6.5e-18:234:72//AC004860  
F-PLACE1005550//Fugu rubripes GSS sequence, clone 048A08bH3, genomic survey sequence.//1.2e-14:123:75//AL025925
- 20 F-PLACE1005554//Leishmania tarentolae mitochondrial 12S ribosomal RNA gene.//0.43:209:66//X02354  
F-PLACE1005557//Homo sapiens chromosome 17, clone hRPC.117\_B\_12, complete sequence.//9.3e-113:536:97//AC004707  
F-PLACE1005574//Plasmodium falciparum 3D7 chromosome 12 PFYAC1383 genomic sequence, WORKING DRAFT SEQUENCE, 3 unordered pieces.//1.1e-10:514:59//AC005504
- 25 F-PLACE1005584//Homo sapiens mRNA for KIAA0617 protein, complete cds.//0.00056:289:63//AB014517  
F-PLACE1005595//Human Chromosome 11q12.2 PAC clone pDJ606g6, complete sequence.//1.2e-111:262:89//AC004126  
F-PLACE1005603  
F-PLACE1005611//F16O5TFC IGF Arabidopsis thaliana genomic clone F16O5, genomic survey sequence.//2.0e-10:209:66//B98589  
F-PLACE1005623  
F-PLACE1005630//High throughput sequencing of human chromosome 12, WORKING DRAFT SEQUENCE, 1 ordered pieces.//1.2e-93:230:98//AC005840
- 35 F-PLACE1005639//HS\_3095\_B1\_A03\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3095 Col=5 Row=B, genomic survey sequence.//1.2e-05:220:63//AQ123022  
F-PLACE1005646//Homo sapiens RNA helicase-related protein mRNA, complete cds.//6.4e-150:721:98//AF083255  
F-PLACE1005656//H.sapiens RR2 mRNA for small subunit ribonucleotide reductase.//1.3e-51:480:74//X59618
- 40 F-PLACE1005666//RPC111-78O15.TV RPC111 Homo sapiens genomic clone R-78O15, genomic survey sequence.//8.7e-05:243:62//AQ284667  
F-PLACE1005698//Human membrane-associated lectin type-C mRNA.//1.9e-63:374:85//M98457  
F-PLACE1005727//Plasmodium falciparum chromosome 2, section 59 of 73 of the complete sequence.//0.69:633:57//AE001422
- 45 F-PLACE1005730//HS\_2026\_B1\_H11\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2026 Col=21 Row=P, genomic survey sequence.//2.0e-24:286:74//AQ231147  
F-PLACE1005739//Mus musculus IFN-gamma induced (Mg11) mRNA, complete cds.//2.8e-55:621:71//U15635  
F-PLACE1005755//HS\_2213\_A2\_H11\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2213 Col=22 Row=O, genomic survey sequence.//1.4e-25:290:75//AQ136844
- 50 F-PLACE1005763//Rat medium-chain S-acyl fatty acid synthetase thio ester hydrolase (MCH), complete cds.//4.5e-40:297:70//M16200  
F-PLACE1005799//R.norvegicus mRNA for mitochondrial isoform of cytochrome b5.//0.91:287:63//Y12517  
F-PLACE10058021//Homo sapiens PAC clone DJ044L15 from Xq23, complete sequence.//5.0e-109:530:98//AC004827
- 55 F-PLACE1005803//HS\_3092\_B1\_A10\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3092 Col=19 Row=B, genomic survey sequence.//2.4e-08:76:96//AQ103695  
F-PLACE1005804//Homo sapiens alpha 1,2-mannosidase IB mRNA, complete cds.//1.4e-126:636:96//AF027156  
F-PLACE1005813//Homo sapiens sorting nexin 2 (SNX2) mRNA, complete cds.//2.6e-154:739:98//AF065482

- F-PLACE1005828//Homo sapiens chromosome 17, clone hRPC.971\_F\_3, WORKING DRAFT SEQUENCE, 1 ordered pieces.//2.2e-37:355:77//AC004150
- F-PLACE1005834//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 4-105, complete sequence.//0.00080:663:58//AL010283
- 5 F-PLACE1005845//Plasmodium falciparum 3D7 chromosome 12 PFYAC812 genomic sequence, WORKING DRAFT SEQUENCE, 8 unordered pieces.//0.00015:340:58//AC004153
- F-PLACE1005850//Human DNA sequence from clone 465N24 on chromosome 1p35.1-36.13. Contains two novel genes, ESTs, GSSs and CpG islands, complete sequence.//1.8e-46:278:85//AL031432
- F-PLACE1005851
- 10 F-PLACE1005876//B.taurus mRNA for cleavage and polyadenylation specificity factor.//5.0e-120:701:89//X75931
- F-PLACE1005884//CIT-HSP-2333O12.TR CIT-HSP Homo sapiens genomic clone 2333O12, genomic survey sequence.//4.6e-78:385:98//AQ039226
- F-PLACE1005890//Schizosaccharomyces pombe bem1/bud5 suppressor (Bem46+) mRNA, partial cds.//9.3e-16:638:57//U29892
- 15 F-PLACE1005898//Rattus norvegicus A-kinase anchoring protein AKAP150 mRNA, complete cds.//1.0:178:65//U67136
- F-PLACE1005921//M.musculus mRNA for immunity associated protein 38.//6.6e-17:614:59//Y08026
- F-PLACE1005923//RPCI11-33G19.TJ RPCI-11 Homo sapiens genomic clone RPCI-11-33G19, genomic survey sequence.//4.0e-10:535:57//AQ046151
- 20 F-PLACE1005925//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 537K23, WORKING DRAFT SEQUENCE.//0.17:159:65//AL034405
- F-PLACE1005932
- F-PLACE1005934//H.sapiens CpG island DNA genomic MseI fragment, clone 165g2, forward read cpg165g2.ft1a.//8.3e-43:247:93//Z57153
- 25 F-PLACE1005936//F.rubripes GSS sequence, clone 069K22aG2, genomic survey sequence.//0.91:116:68//AL014719
- F-PLACE1005951//Rhodobacter sphaeroides DMSO/TMAO-sensor kinase (dorS), DMSO/TMAO-response regulator (dorR), DMSO/TMAO-cytochrome c-containing subunit (dorC), DMSO-membrane protein (dorB), and DMSO/TMAO-reductase (dorA) genes, complete cds.//0.0022:495:59//AF016236
- 30 F-PLACE1005953//Homo sapiens PAC clone DJ0320J15 from Xq23, complete sequence.//2.9e-05:442:61//AC004081
- F-PLACE1005955//Caenorhabditis elegans cosmid F01F1.//4.3e-20:409:64//U13070
- F-PLACE1005966//P.falciparum aarp3 gene, exon.//0.0083:270:64//Y08925
- F-PLACE1005968
- 35 F-PLACE1005990//Homo sapiens chromosome 12p13.3 clone RPCI11-407G6, WORKING DRAFT SEQUENCE, 51 ordered pieces.//1.0e-100:513:96//AC005866
- F-PLACE1006002//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 229A8, WORKING DRAFT SEQUENCE.//2.5e-54:444:77//Z86090
- F-PLACE1006003//HS-1059-A2-G01-MF.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 781 Col=2 Row=M, genomic survey sequence.//3.4e-05:214:64//B44442
- 40 F-PLACE1006011//Mus musculus poly-(ADPriboseyl)-transferase homolog PARP mRNA, complete cds.//4.3e-71:580:79//AF072521
- F-PLACE1006017//Homo sapiens Chromosome 16 BAC clone CIT987-SKA-113A6 -complete genomic sequence, complete sequence.//8.6e-32:177:83//AC002299
- 45 F-PLACE1006037//Mus musculus B6D2F1 clone 2C11B mRNA.//1.8e-34:269:83//U01139
- F-PLACE1006040//Homo sapiens mRNA for alpha endosulfine.//3.4e-147:719:97//X99906
- F-PLACE1006076//Homo sapiens DNA sequence from PAC 79C4 on chromosome 1q24. Contains the PMX1 gene, coding for two alternative forms of the Paired Mesoderm Homeobox protein 1 (PMX-1, PHOX-1). Contains ESTs, STSs and BAC end sequences (GSSs), complete sequence.//0.37:332:62//Z97200
- 50 F-PLACE1006119//Homo sapiens Ran-GTP binding protein mRNA, partial cds.//1.3e-145:679:99//AF039023
- F-PLACE1006129
- F-PLACE1006139//Saccharomyces cerevisiae chromosome VI cosmid 9965.//4.8e-27:693:60//D44597
- F-PLACE1006143//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 169I5, WORKING DRAFT SEQUENCE.//4.7e-46:435:77//Z93015
- 55 F-PLACE1006157//Saguinus oedipus mRNA for membrane cofactor protein CD46, complete cds, clone:B2.//0.048:290:60//D85750
- F-PLACE1006159//Homo sapiens chromosome 10 clone CIT987SK-1054O2 map 10q25, complete sequence.//3.2e-129:466:96//AC005661

# EP 1 074 617 A2

F-PLACE1006164//HS\_3003\_A1\_F08\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3003 Col=15 Row=K, genomic survey sequence.//1.4e-70:388:93//AQ118200  
F-PLACE1006167//Homo sapiens chromosome 19, cosmid F23149, complete sequence.//4.3e-78:385:86//AC005239  
5 F-PLACE1006170//Mouse mRNA for alpha-adaptin (C).//3.5e-91:630:84//X14972  
F-PLACE1006187//Homo sapiens cyclin E2 mRNA, complete cds.//3.9e-149:694:99//AF091433  
F-PLACE1006195//Homo sapiens Xp22 BAC GS-607H18 (Genome Systems Human BAC library) complete sequence.//2.5e-16:283:70//AC003658  
F-PLACE1006196//Mouse RNA helicase and RNA-dependent ATPase from the DEAD box family mRNA, complete  
10 cds.//2.2e-94:648:84//L25125  
F-PLACE1006205//Human Xp22 cosmid U250A9, complete sequence.//0.15:533:58//U75931  
F-PLACE1006223//F24L20-T7 IGF Arabidopsis thaliana genomic clone F24L20, genomic survey sequence.//0.0068:175:64//B19803  
F-PLACE1006225//CIT-HSP-2335I23.TF CIT-HSP Homo sapiens genomic clone 2335I23, genomic survey sequence.//2.1e-19:149:90//AQ039880  
15 F-PLACE1006236//Human chromosome 12p15 BAC clone CIT987SK-99D8 complete sequence.//0.51:290:58//U91327  
F-PLACE1006239//Homo sapiens BAC clone RG118D07 from 7q31, complete sequence.//7.4e-158:452:96//AC004142  
20 F-PLACE1006246//RPCI11-36I23.TK RPCI-11 Homo sapiens genomic clone RPCI-11-36I23, genomic survey sequence.//2.6e-31:176:97//AQ045400  
F-PLACE1006248//Homo sapiens mRNA for KIAA0648 protein, partial cds.//2.3e-166:791:98//AB014548  
F-PLACE1006262//342E3.TVD CIT978SKA1 Homo sapiens genomic clone A-342E03, genomic survey sequence.//1.0:228:63//B16447  
25 F-PLACE1006288//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 20N2, WORKING DRAFT SEQUENCE.//6.6e-172:809:99//AL031320  
F-PLACE1006318  
F-PLACE1006325//Homo sapiens PAC clone DJ0988L12 from 7q11.23-q21.1, complete sequence.//0.079:396:59//AC004454  
30 F-PLACE1006335//Mouse Ig third hypervariable region (HCDR3), nonproductively rearranged alpha-chain gene VHSB32-D-JH2 region.//1.0:90:67//M55721  
F-PLACE1006357//Plasmodium falciparum 3D7 chromosome 12 PFYAC1383 genomic sequence, WORKING DRAFT SEQUENCE, 3 unordered pieces.//0.16:445:56//AC005504  
F-PLACE1006360//Plasmodium falciparum MAL3P7, complete sequence.//6.1e-05:625:57//AL034559  
35 F-PLACE1006368//X.laevis mRNA for KLP2 protein.//3.0e-25:376:68//X94082  
F-PLACE1006371//Homo sapiens chromosome 16, cosmid clone 360H6 (LANL), complete sequence.//2.0e-146:711:97//AC004232  
F-PLACE1006382  
F-PLACE1006385//Homo sapiens epsin 2a mRNA, complete cds.//5.1e-110:539:97//AF062085  
40 F-PLACE1006412//Homo sapiens BAC clone GS588G18 from 7p12-p14, complete sequence.//1.3e-23:463:68//AC005029  
F-PLACE1006414//Homo sapiens PCAF associated factor 65 alpha mRNA, complete cds.//1.3e-109:525:98//AF069735  
F-PLACE1006438//Homo sapiens mRNA for KIAA0557 protein, partial cds.//6.9e-23:531:65//AB011129  
45 F-PLACE1006445//HS\_3071\_A1\_C11\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3071 Col=21 Row=E, genomic survey sequence.//4.7e-74:392:95//AQ 103347  
F-PLACE1006469//Rhodobacter capsulatus strain SB1003, partial genome.//1.1e-40:686:65//AF010496  
F-PLACE1006470//T.brucei kinetoplast maxicircle variable region DNA.//0.99:250:59//Z15118  
F-PLACE1006482//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 447C4, WORKING  
50 DRAFT SEQUENCE.//4.3e-120:328:98//AL021977  
F-PLACE1006488//Canine mRNA for 68kDa subunit of signal recognition particle (SRP68).//6.5e-86:478:91//X53744  
F-PLACE1006492  
F-PLACE1006506  
55 F-PLACE1006521//Homo sapiens BAC clone RG281G05 from 7p15-p21, complete sequence.//0.0010:547:58//AC005083  
F-PLACE1006531//Oryctolagus cuniculus translation initiation factor eIF2C mRNA, complete cds.//2.6e-84:625:80//AF005355



- F-PLACE1006534//Caenorhabditis elegans cosmid Y40H7A, complete sequence.//0.00031:671:58//AL033510  
 F-PLACE1006540  
 F-PLACE1006552//P.falciparum glutamic acid-rich protein gnen, complete cds.//6.0e-10:636:59//J03998  
 F-PLACE1006598//Homo sapiens BAC clone NH0539B24 from 7p15.1-p14, complete sequence.//9.8e-25:170:  
 5 77//AC006044  
 F-PLACE1006615//Homo sapiens eukaryotic translation initiation factor eIF3, p35 subunit mRNA, complete cds.//  
 6.7e-167:781:99//U97670  
 F-PLACE1006617//Homo sapiens Xp22 BAC GSHB-433024 (Genome Systems Human BAC library) complete  
 sequence.//0.98:514:59//AC004470  
 10 F-PLACE1006626//H.sapiens DNA 3' flanking simple sequence region clone wg2c3.//0.00079:206:62//X76589  
 F-PLACE1006629//Human BAC clone RG333F24 from 7q11.2-q21, complete sequence.//0.0012:576:57//  
 AC004015  
 F-PLACE1006640//P.falciparum complete gene map of plastid-like DNA (IR-B).//0.0018:588:59//X95276  
 F-PLACE1006673//Plasmodium falciparum 3D7 chromosome 12 PFYAC69 genomic sequence, WORKING  
 15 DRAFT SEQUENCE, 4 unordered pieces.//0.0028:469:58//AC004688  
 F-PLACE1006678//Mus musculus UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase-I (b3GT1) gene, complete  
 cds.//0.00011:184:64//AF029790  
 F-PLACE1006704//Mus musculus dentin sialophosphoprotein precursor (DSPP) mRNA, complete cds.//0.0013:  
 380:62//U67916  
 20 F-PLACE1006731//Human DNA sequence from PAC 408N23 on chromosome 22q13. Contains HIP, HSC70-IN-  
 TERACTING PROTEIN (PROGESTERONE RECEPTOR-ASSOCIATED P48 PROTEIN), ESTs and STS.//1.5e-  
 78:520:86//Z98048  
 F-PLACE1006754//Homo sapiens chromosome 19, cosmid R29124, complete sequencer/1.9e-135:378:99//  
 AC005626  
 25 F-PLACE1006760//CIT-HSP-2336O13.TR CIT-HSP Homo sapiens genomic clone 2336O13, genomic survey se-  
 quence.//0.018:147:66//AQ039246  
 F-PLACE1006779//Plasmodium falciparum chromosome 2, section 63 of 73 of the complete sequence.//2.6e-08:  
 823:58//AE001426  
 F-PLACE1006782//Homo sapiens clone NH0005N18, WORKING DRAFT SEQUENCE, 2 unordered pieces.//  
 30 0.043:252:65//AC005487  
 F-PLACE1006792//HS\_3165\_B1\_H01\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3165 Col=1 Row=P, genomic survey sequence.//1.4e-11:249:67//AQ149559  
 F-PLACE1006795//Mouse eph-related receptor tyrosine kinase (Mek4) mRNA, complete cds.//1.3e-12:155:80//  
 M68513  
 35 F-PLACE1006800//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 4-92, complete  
 sequence.//6.7e-05:391:62//AL010272  
 F-PLACE1006805//paramecium species 1,168 mt dna dimer: replication init. region.//9.1e-09:369:62//K00915  
 F-PLACE1006815//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 321D2, WORKING  
 DRAFT SEQUENCE.//0.89:465:58//AL031033  
 40 F-PLACE1006819//Homo sapiens clone DJ1163L11, complete sequence.//1.5e-121:618:91//AC005230  
 F-PLACE1006829//Brn-3a=class V POU transcription factor [mice, CD/CD, embryo fibroblast cells, Genomic, 2160  
 nt].//0.011:145:68//S69350  
 F-PLACE1006860//Plasmodium falciparum MAL3P7, complete sequence.//2.2e-07:691:58//AL034559  
 F-PLACE1006867//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 323M4, WORKING  
 45 DRAFT SEQUENCE.//1.5e-132:643:98//AL033378  
 F-PLACE1006878  
 F-PLACE1006883//Mycobacterium tuberculosis H37Rv complete genome; segment 138/162.//1.0:236:62//  
 Z95120  
 F-PLACE1006901//Mus musculus t complex testis-specific protein (Tctex2) gene, t haplotype, promoter se-  
 50 quence.//2.7e-19:171:81//U21672  
 F-PLACE1006904  
 F-PLACE1006917//H.sapiens CpG island DNA genomic MseI fragment, clone 79g10, forward read  
 cpg79g10.ft1a.//1.3e-21:131:98//Z63175  
 F-PLACE1006932//Mus musculus FKBP65 binding protein mRNA, complete cds.//0.99:248:61//L07063  
 55 F-PLACE1006935//Homo sapiens chromosome 9 duplication of the T cell receptor beta locus and trypsinogen  
 gene families.//0.85:161:63//AF029308  
 F-PLACE1006956//Hylobates lar involucrin gene, complete cds.//0.077:355:61//M35447  
 F-PLACE1006958//Mus musculus osmotic stress protein 94 (Osp94) mRNA, complete cds.//2.9e-89:483:86//

- U23921  
F-PLACE1006961//Saccharomyces cerevisiae mitochondrial tRNA-Tyr, tRNA-Asn, & amp; tRNA-Met genes.//1.6e-06:651:58//AJ223323
- 5 F-PLACE1006962//H.sapiens ir1B mRNA.//7.1e-15:202:71//X63417  
F-PLACE1006966//Caenorhabditis elegans DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y105E8, WORKING DRAFT SEQUENCE.//1.7e-26:451:61//AL022594  
F-PLACE1006989//cSRL-172A4-u cSRL flow sorted Chromosome 11 specific cosmid Homo sapiens genomic clone cSRL-172A4, genomic survey sequence.//1.0:97:67//B03188
- 10 F-PLACE1007014//Rattus norvegicus equilibrative nitrobenzylthioinosine-insensitive nucleoside transporter mRNA, complete cds.//4.2e-07:592:58//AF015305  
F-PLACE1007021//Homo sapiens chromosome 19, cosmid F16403; complete sequence.//5.1e-17:285:70//AC005777  
F-PLACE1007045//Human DNA sequence from PAC 181N1 on chromosome X contains ESTs, STS polymorphic CA repeat\*.//6.2e-131:775 :89//Z82899
- 15 F-PLACE1007053//Homo sapiens clone DJ0810E06, WORKING DRAFT SEQUENCE, 8 unordered pieces.//1.7e-143:675:99//AC004895  
F-PLACE1007068//Homo sapiens chromosome 17, clone hRPK.214\_O\_1, complete sequence.//1.3e-131:652:97//AC005224  
F-PLACE1007097//Homo sapiens DNA sequence from BAC 55C20 on chromosome 6. Contains a Spinal Muscular Atrophy (SMA3) LIKE gene overlapping with a beta-glucuronidase LIKE pseudogene. Contains a membrane protein LIKE pseudogene, a Glyceraldehyde 3-phosphate dehydrogenase (GAPDH) LIKE pseudogene, five predicted tRNA genes. Contains ESTs, GSSs (BAC end sequences) and a CA repeat polymorphism, complete sequence.//8.3e-158:768:97//AL021368
- 20 F-PLACE1007105//Mus musculus muskulin mRNA, complete cds.//4.1e-124:687:91//U72194  
F-PLACE1007111//Plasmodium falciparum 3D7 chromosome 12 PFYAC336 genomic sequence, WORKING DRAFT SEQUENCE, 5 unordered pieces.//4.7e-05:586:56//AC005139  
F-PLACE1007112//HS\_2234\_B2\_G10\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2234 Col=20 Row=N, genomic survey sequence.//0.26:200:62//AQ087801
- 30 F-PLACE1007132//CIT978SK-A-211C6.TVB CIT978SK Homo sapiens genomic clone A-211C6, genomic survey sequence.//1.3e-40:255:92//B72112  
F-PLACE1007140//QN1 orf [Coturnix coturnix, japonica, K2 neuroretinal cells, mRNA Partial, 3884 nt].//4.9e-15:386:62//S68151  
F-PLACE1007178//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-420 genomic sequence, WORKING DRAFT SEQUENCE, 14 unordered pieces.//0.011:329:61//AC005140
- 35 F-PLACE1007226//Human lipocortin (LIP) 2 gene, upstream region.//0.0036:180:63//M62899  
F-PLACE1007238//FMR1 [CGG repeats] [human, Fragile X syndrome patient, Genomic, 429 nt].//2.8e-08:269:63//S74494  
F-PLACE1007239//Homo sapiens mRNA for transcription elongation factor S-II, hS-II-T1, complete cds.//6.3e-57:405:87//D50495
- 40 F-PLACE1007242//HS\_3006\_A1\_B11\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3006 Col=21 Row=C, genomic survey sequence.//0.088:191:59//AQ089443  
F-PLACE1007243//Human transporter protein (g17) mRNA, complete cds.//7.9e-12:245:66//U49082  
F-PLACE1007257//Homo sapiens mRNA for dia-12c protein.//5.2e-144:677:98//Y15908  
F-PLACE1007274//HS\_3003\_A1\_D08\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3003 Col=15 Row=G, genomic survey sequence.//7.4e-49:345:85//AQ294154
- 45 F-PLACE1007276//Fugu rubripes GSS sequence, clone 014O10aG11, genomic survey sequence.//0.0052:228:62//AL024982  
F-PLACE1007282//F.rubripes GSS sequence, clone 019O07aB3, genomic survey sequence.//0.024:289:58//AL011743
- 50 F-PLACE1007286//Human Chromosome 16 BAC clone CIT987SK-A-256A9, complete sequence.//0.0048:185:69//AC002492  
F-PLACE1007301//Dictyostelium discoideum gene for TRFA, complete cds.//0.069:761:57//AB009080  
F-PLACE1007317  
F-PLACE1007342
- 55 F-PLACE1007346//Homo sapiens estrogen-responsive B box protein (EBBP) mRNA, complete cds.//5.4e-120:567:98//AF096870  
F-PLACE1007367//Homo sapiens clone RG228D17, WORKING DRAFT SEQUENCE, 2 unordered pieces.//1.2e-59:613:75//AC005077

F-PLACE1007375//Caenorhabditis elegans cosmid D2092.//1.8e-12:193:70//U88167  
 F-PLACE1007386  
 F-PLACE1007402//HS\_2170\_A2\_D12\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=2170 Col=24 Row=G, genomic survey sequence.//5.6e-06:162:67//AQ125590  
 5 F-PLACE1007409//Homo sapiens mitoxantrone resistance protein 2 mRNA, complete sequence.//1.6e-25:165:  
 93//AF093772  
 F-PLACE1007416  
 F-PLACE1007450//Homo sapiens DNA from chromosome 19, BAC 33152, complete sequence.//4.9e-34:764:62//  
 AC003973  
 10 F-PLACE1007452//Mus musculus bet3 (Bet3) mRNA, complete cds.//4.1e-17:374:64//AF041433  
 F-PLACE1007454//Homo sapiens (clone s153) mRNA fragment.//8.1e-52:317:93//L40391  
 F-PLACE1007460//Human DNA sequence from clone 914P14 on chromosome Xq23 Contains calpain-like pro-  
 tease gene, DCX (doublecortin) ESTs, CA repeat, GSS, complete sequence.//0.0019:280:64//AL031117  
 F-PLACE1007478//Homo sapiens Chromosome 16 BAC clone CIT987-SKA-345G4 -complete genomic sequence,  
 15 complete sequence.//2.5e-24:362:71//AC002302  
 F-PLACE1007484  
 F-PLACE1007488//Danio rerio faciogenital dysplasia protein (fgd) mRNA, complete cds.//3.8e-14:293:63//  
 AF017370  
 F-PLACE1007507//Human DNA sequence from clone 105D16 on chromosome Xp11.3-11.4 Contains pseudogene  
 20 similar to laminin-binding protein, CA repeat, STS, complete sequence.//4.6e-10:152:75//AL031311  
 F-PLACE1007511//Homo sapiens chromosome 17, clone hRPC.1110\_E\_20, complete sequence.//3.6e-139:477:  
 98//AC004231  
 F-PLACE1007524//Plasmodium falciparum microsatellite 14C sequence.//0.0055:395:59//AF015461  
 F-PLACE1007525//Trypanoplasma borelli mitochondrion cytochrome oxidase subunit 1 (cox1), cytochrome oxi-  
 25 dase subunit 2 (cox2), and apocytochrome b (cytb) genes, complete cds, and complete 9S rRNA gene and partial  
 12S rRNA gene.//0.0013:550:58//U11682 F-PLACE1007537//H.sapiens CpG island DNA genomic Mse1 fragment,  
 clone 198g6, reverse read cpg198g6.rt1a.//0.98:121:67//Z60280  
 F-PLACE1007544//Mus musculus chromosome 14 marker um-m24 GA dinucleotide DNA sequence.//2.3e-10:  
 141:75//U31508  
 30 F-PLACE1007547//Homo sapiens mRNA for KIAA0661 protein, complete cds.//3.1e-69:733:71//AB014561  
 F-PLACE1007557//Drosophila yakuba mitochondrial DNA molecule.//0.022:393:61//X03240  
 F-PLACE1007583//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 545L17, WORKING  
 DRAFT SEQUENCE.//3.6e-114:565:97//AL031665  
 F-PLACE1007598//CIT-HSP-2371G14.TF CIT-HSP Homo sapiens genomic clone 2371G14, genomic survey se-  
 35 quence.//2.0e-22:304:70//AQ111183  
 F-PLACE1007618//Homo sapiens chromosome 17, clone hRPK.642\_C\_21, complete sequence.//1.0:386:59//  
 AC005245  
 F-PLACE1007621  
 F-PLACE1007632//Homo sapiens 12p13.3 PAC RPC15-940J5 (Roswell Park Cancer Institute Human PAC Library)  
 40 complete sequence.//1.0e-88:276:96//AC006064  
 F-PLACE1007645//Bovine elastin mRNA, partial cds.//2.1e-07:110:79//M26132  
 F-PLACE1007649  
 F-PLACE1007677//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 968D22, WORKING  
 DRAFT SEQUENCE.//1.2e-21:567:64//AL023755  
 45 F-PLACE1007688//Pseudorabies virus immediate-early gene.//2.2e-05:287:66//X15120  
 F-PLACE1007690//Caenorhabditis elegans cosmid R07G3.//0.40:122:70//U23452  
 F-PLACE1007697//Mus musculus LIM/homeobox (Lhx3) gene fragment.//0.85:117:71//L40483  
 F-PLACE1007705//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 460J8, WORKING  
 DRAFT SEQUENCE.//0.0035:75:88//AL031662  
 50 F-PLACE1007706//Homo sapiens metalloprotease 1 (MP1) mRNA, complete cds.//1.3e-147:709:97//AF061243  
 F-PLACE1007725//Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MBB18, complete sequence.//  
 1.0:510:58//AB005231  
 F-PLACE1007729//Human endogenous retrovirus HML6 proviral clone HML6p, putative leader region, gag, pro  
 and pol pseudogenes.//4.8e-136:516:89//U86698  
 55 F-PLACE1007730//Homo sapiens mRNA for KIAA0685 protein, complete cds.//7.9e-155:728:98//AB014585  
 F-PLACE1007737//Homo sapiens clone DJ0847O08, WORKING DRAFT SEQUENCE, 3 unordered pieces.//5.8e-  
 22:806:60//AC005484  
 F-PLACE1007743//Plasmodium falciparum 3D7 chromosome 12 PFYAC1383 genomic sequence, WORKING

# EP 1 074 617 A2

DRAFT SEQUENCE, 3 unordered pieces//1.1e-06:510:56//AC005504  
 F-PLACE1007746//HS\_2268\_B1\_G10\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2268 Col=19 Row=N, genomic survey sequence//0.10:171:63//AQ124780  
 F-PLACE1007791//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from MAL1P6, WORKING  
 5 DRAFT SEQUENCE//0.63:241:58//AL031749  
 F-PLACE1007807//Homo sapiens chromosome 17, clone hRPK.879\_D\_6, complete sequence//1.0e-120:743:87//AC005273  
 F-PLACE1007810//Homo sapiens Xp22 BAC GS-607H18 (Genome Systems Human BAC library) complete sequence//1.0e-113:739:86//AC003658  
 10 F-PLACE1007829//CIT-HSP-2383J22.TR CIT-HSP Homo sapiens genomic clone 2383J22, genomic survey sequence//1.0e-47:254:97//AQ196438  
 F-PLACE1007843//F.rubripes GSS sequence, clone 162K02bC12, genomic survey sequence//1.6e-10:148:72//AL006903  
 F-PLACE1007846//Homo sapiens genomic DNA, chromosome 21q22.2 (Down Syndrome region), segment 3/15,  
 15 WORKING DRAFT SEQUENCE//3.4e-177:844:98//AP000010  
 F-PLACE1007852//Mouse perlecan mRNA, complete cds//8.5e-39:243:90//M77174  
 F-PLACE1007858//Homo sapiens mRNA for KIAA0766 protein, complete cds//3.9e-189:894:98//AB018309  
 F-PLACE1007866//CIT-HSP-2353D11.TF.1 CIT-HSP Homo sapiens genomic clone 2353D11, genomic survey sequence//0.015:279:61//AQ263271  
 20 F-PLACE1007877  
 F-PLACE1007897  
 F-PLACE1007908//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0487//2.3e-154:755:97//AB007956  
 F-PLACE1007946//Human chromosome Y cosmid 56B5 genomic sequence, WORKING DRAFT SEQUENCE//  
 25 1.1e-59:310:81//AC003097  
 F-PLACE1007954//Homo sapiens BAC clone NH0414C23 from Y, complete sequence//2.1e-61:522:79//AC006157  
 F-PLACE1007955//Homo sapiens cyclin-D binding Myb-like protein mRNA, complete cds//2.7e-171:813:98//AF084530  
 30 F-PLACE1007958//Homo sapiens cAMP-specific phosphodiesterase 8B (PDE8B) mRNA, partial cds//2.5e-153:730:98//AF079529  
 F-PLACE1007969//Mus musculus myelin gene expression factor (MEF-2) mRNA, partial cds//3.4e-32:383:74//U13262  
 F-PLACE1007990//H.sapiens genomic DNA fragment (clone J31A212R)//6.6e-35:198:96//Z94758  
 35 F-PLACE1008000//Mus musculus veli 3 mRNA, complete cds//1.5e-118:706:88//AF087695  
 F-PLACE1008002//Homo sapiens clone DJ0613C23, WORKING DRAFT SEQUENCE, 4 unordered pieces//6.4e-163:786:98//AC005628  
 F-PLACE1008044//Rattus norvegicus nuclear pore complex protein NUP107 mRNA, complete cds//1.2e-95:625:84//L31840  
 40 F-PLACE1008045//Caenorhabditis elegans cosmid F17C8, complete sequence//0.016:165:65//Z35719  
 F-PLACE1008080//Human DNA sequence from cosmid L118G10, Huntington's Disease Region, chromosome 4p16.3//4.0e-07:251:64//Z68883  
 F-PLACE1008095//RPCI11-21F19.TP RPCI-11 Homo sapiens genomic clone RPCI-11-21F19, genomic survey sequence//1.5e-30:166:99//B85883  
 45 F-PLACE1008111//Aphidius picipes NADH dehydrogenase 1 gene, mitochondrial gene encoding mitochondrial protein, partial cds//7.5e-06:414:60//AF069163  
 F-PLACE1008122//S.cerevisiae chromosome XV reading frame ORF YOL125w//0.046:477:59//Z74867  
 F-PLACE1008129//Human Chromosome 15q26.1 PAC clone pDJ290i21 containing fur, fes, and alpha mannosidase Iix genes, WORKING DRAFT SEQUENCE, 9 unordered pieces//0.0068:446:57//AC004586  
 50 F-PLACE1008132//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 316D5, WORKING DRAFT SEQUENCE//3.6e-20:111:93//Z82199  
 F-PLACE1008177//Mouse mRNA for meiosis-specific nuclear structural protein 1 (MNS1), complete cds//2.5e-88:866:73//D14849  
 F-PLACE1008181//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 159A1, WORKING  
 55 DRAFT SEQUENCE//0.0033:727:56//AL034397  
 F-PLACE1008198//HS\_3073\_A1\_C06\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3073 Col=11 Row=E, genomic survey sequence//2.3e-12:94:92//AQ171450  
 F-PLACE1008201//Homo sapiens clone RG140B11, WORKING DRAFT SEQUENCE, 1 unordered pieces//2.5e-

162:791:97//AC005069  
 F-PLACE1008209  
 F-PLACE1008231//Mouse testis-specific protein mRNA, complete cds.//0.65:174:66//M26332  
 F-PLACE1008244//CIT-HSP-2337B4.TR CIT-HSP Homo sapiens genomic clone 2337B4, genomic survey se-  
 5 quence.//6.7e-28:165:95//AQ039317  
 F-PLACE1008273//B.primigenius mRNA for coat protein gamma-cop.//2.8e-71:709:71//X92987  
 F-PLACE1008275//D.discoideum actin A-13 gene, 5' flank.//0.12:131:64//M29123  
 F-PLACE1008280//Homo sapiens Xp22-175-176 BAC GSHB-484O17 (Genome Systems Human BAC Library)  
 complete sequence.//0.011:96:73//AC005913  
 10 F-PLACE1008309//Rattus norvegicus putative four repeat ion channel mRNA, complete cds.//8.2e-86:672:77//  
 AF078779  
 F-PLACE1008329//HS\_2027\_A1\_C06\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=2027 Col=11 Row=E, genomic survey sequence.//8.7e-09:116:81//AQ244432  
 F-PLACE1008330//Homo sapiens chromosome 19, cosmid F21431, complete sequence.//2.2e-141:670:98//  
 15 AC005176  
 F-PLACE1008331//Homo sapiens clone DJ241P17, WORKING DRAFT SEQUENCE, 7 unordered pieces.//2.1e-  
 27:157:78//AC005000  
 F-PLACE1008356//Homo sapiens mRNA for KIAA0679 protein, partial cds.//1.1e-137:659:98//AB014579  
 F-PLACE1008368//CIT-HSP-2311C9.TR CIT-HSP Homo sapiens genomic clone 2311C9, genomic survey se-  
 20 quence.//7.1e-08:398:60//AQ016352  
 F-PLACE1008369//HS\_2251\_B1\_A02\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=2251 Col=3 Row=B, genomic survey sequence.//2.1e-35:217:93//AQ066512  
 F-PLACE1008392//Homo sapiens chromosome 17, clone hRPK.136\_H\_19, complete sequence.//1.4e-11:403:  
 64//AC005856  
 25 F-PLACE1008398//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 215D11, WORKING  
 DRAFT SEQUENCE.//3.7e-144:681:99//AL034417  
 F-PLACE1008401//\*\*\* SEQUENCING IN PROGRESS \*\*\* Homo sapiens chromosome 4, BAC clone C0366H07;  
 HTGS phase 1, WORKING DRAFT SEQUENCE, 28 unordered pieces.//2.8e-45:257:96//AC004604  
 F-PLACE1008402//Homo sapiens mRNA for p115, complete cds.//4.3e-148:711:98//D86326  
 30 F-PLACE1008405//Plasmodium falciparum 3D7 chromosome 12 PFYAC69 genomic sequence, WORKING  
 DRAFT SEQUENCE, 4 unordered pieces.//0.089:672:56//AC004688  
 F-PLACE1008424  
 F-PLACE1008426//Homo sapiens genomic DNA of 8p21.3-p22 anti-oncogene of hepatocellular colorectal and  
 non-small cell lung cancer, segment 7/11.//1.0e-88:331:84//AB020864  
 35 F-PLACE1008429//Chromosome 22q13 BAC Clone CIT987SK-384D8 complete sequence.//0.55:530:58//  
 U62317  
 F-PLACE1008437//CIT-HSP-2376H4.TR CIT-HSP Homo sapiens genomic clone 2376H4, genomic survey se-  
 quence.//3.3e-78:349:94//AQ112479  
 F-PLACE1008455//HS\_2064\_B1\_E09\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 40 nomic clone Plate=2064 Col=17 Row=J, genomic survey sequence.//4.7e-59:471:81//AQ246589  
 F-PLACE1008457//Homo sapiens chromosome 17, Neurofibromatosis 1 locus, complete sequence.//8.9e-43:307:  
 73//AC004526  
 F-PLACE1008465//CIT-HSP-2163F24.TR CIT-HSP Homo sapiens genomic clone 2163F24, genomic survey se-  
 quence.//8.9e-41:210:99//B90014  
 45 F-PLACE1008488//Mus musculus mRNA for testis-specific protein kinase 1, complete cds.//0.00013:516:58//  
 AB003494  
 F-PLACE1008524//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 34B21, WORKING  
 DRAFT SEQUENCE.//1.3e-161:778:98//AL031778  
 F-PLACE1008531//Homo sapiens wbscr1 (WBSCR1) and replication factor C subunit 2 (RFC2) genes, complete  
 50 cds.//1.1e-78:191:100//AF045555  
 F-PLACE1008532//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 92N15, WORKING  
 DRAFT SEQUENCE.//3.8e-24:257:70//Z93097  
 F-PLACE1008533//Homo sapiens PAC clone DJ130H16 from 22q12.1-qter, complete sequence.//1.0e-13:215:  
 71//AC004997  
 55 F-PLACE1008568//Human DNA sequence from PAC 388N15 on chromosome Xq21.1.//0.66:263:64//Z99571  
 F-PLACE1008584//Homo sapiens cosmid clone U39B3 from Xp22.1-22.2, complete sequence.//1.1e-19:315:68//  
 U73023  
 F-PLACE1008603//Homo sapiens mRNA for KIAA0791 protein, complete cds.//1.2e-173:812:98//AB018334

- F-PLACE1008621//Homo sapiens clone RG228D17, WORKING DRAFT SEQUENCE, 2 unordered pieces.//3.9e-09:198:71//AC005077
- F-PLACE1008625//Homo sapiens chromosome 5, PAC clone 45L14 (LBNL H91), complete sequence.//0.68:568:59//AC005373
- 5 F-PLACE1008626//HS\_3221\_A2\_F03\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3221 Col=6 Row=K, genomic survey sequence.//1.7e-13:147:82//AQ180967
- F-PLACE1008627//Cricetulus griseus mRNA for Zn finger factor.//9.7e-98:586:88//Y12836
- F-PLACE1008629//CIT-HSP-201214.TR CIT-HSP Homo sapiens genomic clone 201214, genomic survey sequence.//0.00085:203:66//B53732
- 10 F-PLACE1008630//Sequence 26 from Patent WO9517522.//9.7e-05:97:80//A45356
- F-PLACE1008643//Human mRNA for inter-alpha-trypsin inhibitor family heavy chain-related protein (IHRP), complete cds.//1.4e-23:299:64//D38595
- F-PLACE1008650//Homo sapiens pleiotropic regulator 1 (PLRG1) mRNA, complete cds.//1.1e-133:622:99//AF044333
- 15 F-PLACE1008693//CIT-HSP-2346F2.TF CIT-HSP Homo sapiens genomic clone 2346F2, genomic survey sequence.//0.24:89:76//AQ060732
- F-PLACE1008696//Homo sapiens NADH dehydrogenase-ubiquinone Fe-S protein 8 23 kDa subunit (NDUFS8) gene, nuclear gene encoding mitochondrial protein, complete cds.//1.4e-94:420:97//AF038406
- F-PLACE1008715//CIT-HSP-2294K20.TR CIT-HSP Homo sapiens genomic clone 2294K20, genomic survey sequence.//2.1e-70:349:98//AQ007199
- 20 F-PLACE1008748//Arabidopsis thaliana chromosome I BAC T14N5 genomic sequence, complete sequence.//0.14:347:59//AC004260
- F-PLACE1008757//Homo sapiens Xp22 BAC GSHB 526D21 (Genome Systems Human BAC library) complete sequence.//7.9e-25:244:71//AC003037
- 25 F-PLACE1008790//Homo sapiens importin alpha 7 subunit mRNA, complete cds.//4.5e-120:503:97//AF060543
- F-PLACE1008798//Human Chromosome 16 BAC clone CIT987SK-A-270G1, complete sequence.//0.00026:370:61//AF001549
- F-PLACE1008807//CIT-HSP-2334B19.TF CIT-HSP Homo sapiens genomic clone 2334B19, genomic survey sequence.//3.3e-08:220:65//AQ036643
- 30 F-PLACE1008808//Homo sapiens exonuclease homolog RAD1 (RAD1) mRNA, complete cds.//1.7e-120:470:97//AF030933
- F-PLACE1008813//Rattus norvegicus rsec15 mRNA, complete cds.//2.8e-87:504:89//AF032668
- F-PLACE1008851//Homo sapiens DNA sequence from PAC 163M9 on chromosome 1p35.1-p36.21. Contains protein synthesis factor (elF-4C), D1F15S1A pseudogene, ESTs, STS, GSS, complete sequence.//4.0e-21:212:74//AL021920
- 35 F-PLACE1008854
- F-PLACE1008867//Human DNA sequence from clone J428A131, WORKING DRAFT SEQUENCE.//4.7e-77:477:84//Z82209
- F-PLACE1008887//Homo sapiens BAC clone NH0335J18 from 2, complete sequence.//3.4e-53:699:70//AC005539
- 40 F-PLACE1008902//Mouse G-alpha-13 protein mRNA, complete cds.//2.1e-06:164:68//M63660
- F-PLACE1008920//Homo sapiens mRNA for KIAA0765 protein, partial cds.//6.4e-158:753:98//AB018308
- F-PLACE1008925//Homo sapiens chromosome 16p11.2 BAC clone CIT987SK-A-180G2, WORKING DRAFT SEQUENCE, 5 unordered pieces.//0.00013:400:63//AC002042
- 45 F-PLACE1008934//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1104E15, WORKING DRAFT SEQUENCE.//7.4e-05:145:71//AL022312
- F-PLACE1008941//Human zinc finger protein (ZNF141) mRNA, complete cds.//4.3e-41:282:87//L15309
- F-PLACE1008947//Pseudorabies virus with upstream and downstream sequences.//5.9e-15:710:60//M34651
- F-PLACE1009020//HS\_3051\_B1\_H01\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3051 Col=1 Row=P, genomic survey sequence.//1.9e-21:167:86//AQ253727
- 50 F-PLACE1009027//Human DNA sequence from clone 914P14 on chromosome Xq23 Contains calpain-like protease gene, DCX (doublecortin) ESTs, CA repeat, GSS, complete sequence.//4.1e-152:763:97//AL031117
- F-PLACE1009039//HS\_2034\_A2\_F08\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2034 Col=16 Row=K, genomic survey sequence.//0.17:252:59//AQ230137
- 55 F-PLACE1009045//HS\_3185\_B2\_B03\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3185 Col=6 Row=D, genomic survey sequence.//1.9e-34:260:86//AQ172861
- F-PLACE1009048//Pig pituitary glycoprotein hormone alpha subunit gene, 5'flank and exon 1.//4.7e-70:463:80//D00766

F-PLACE1009050//Homo sapiens 12q13.1 PAC RPCI3-197B17 (Roswell Park Cancer Institute Human PAC li-  
 brary) complete sequence//0.63:280:61//AC004241  
 F-PLACE1009060//Mus musculus mRNA for Alix (ALG-2-interacting protein X), complete CDS//5.9e-113:725:85//  
 AJ005073  
 5 F-PLACE1009090//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1045J21, WORKING  
 DRAFT SEQUENCE//9.1e-27:222:84//AL021919  
 F-PLACE1009091//Homo sapiens clone DJ0968116, complete sequence//0.027:630:58//AC006016  
 F-PLACE1009094  
 F-PLACE1009099//Mouse zinc finger protein (mkr4) mRNA, partial cds//2.1e-85:726:76//M36515  
 10 F-PLACE1009110  
 F-PLACE1009111//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 138B7, WORKING  
 DRAFT SEQUENCE//6.0e-12:362:64//Z98752  
 F-PLACE1009113//Homo sapiens X-ray repair cross-complementing protein 3 (XRCC3) mRNA, complete cds//  
 3.4e-138:671:97//AF035586  
 15 F-PLACE1009130//Human mRNA for KIAA0032 gene, complete cds//3.6e-23:718:59//D25215  
 F-PLACE1009150//Homo sapiens \*\*\* SEQUENCING IN PROGRESS \*\*\* WORKING DRAFT SEQUENCE//6.1e-  
 142:684:98//AJ011929  
 F-PLACE1009155//Homo sapiens genomic DNA, chromosome 21q11.1, segment 2/28, WORKING DRAFT SE-  
 QUENCE//4.3e-36:227:77//AP000031  
 20 F-PLACE1009158//H.sapiens genomic sequence for ERCC2 gene 3'region involved in DNA excision repair//1.0:  
 173:60//X52222  
 F-PLACE1009166  
 F-PLACE1009172//Human BAC clone 7E17 from 12q, complete sequence//4.0e-35:257:85//AC002070  
 F-PLACE1009174//Homo sapiens Xp22 bins 16-17 BAC GSHB-531117 (Genome Systems Human BAC Library)  
 25 complete sequence//2.9e-19:288:72//AC004805  
 F-PLACE1009183//Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MHJ24, complete sequence//  
 0.053:388:60//AB008266  
 F-PLACE1009186//Rattus norvegicus fracture callus 1 (FxC1) mRNA, complete cds//1.8e-50:317:89//AF061242  
 F-PLACE1009190//RPCI11-81N5.TJ RPCI11 Homo sapiens genomic clone R-81N5, genomic survey sequence//  
 0.91:114:67//AQ281881  
 30 F-PLACE1009200//CITBI-E1-2509J16.TF CITBI-E1 Homo sapiens genomic clone 2509J16, genomic survey se-  
 quence//2.8e-44:175:83//AQ262198  
 F-PLACE1009230//H.sapiens gene for pregnancy specific beta-1 glycoprotein//1.1e-106:495:88//X63203  
 F-PLACE1009246//HS\_3058\_B1\_A06\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 35 nomic clone Plate=3058 Col=11 Row=B, genomic survey sequence//0.10:175:68//AQ185945  
 F-PLACE1009298//Mus musculus maternal-embryonic 3 (Mem3) mRNA, complete cds//1.8e-94:575:89//U47024  
 F-PLACE1009308//Human clone mcag32 chromosome 7 CTG repeat region//0.0017:350:62//U23862  
 F-PLACE1009319//Homo sapiens post-synaptic density protein 95 (PSD95) mRNA, complete cds//3.0e-06:411:  
 59//U83192  
 40 F-PLACE1009328//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 191P20, WORKING  
 DRAFT SEQUENCE//5.7e-138:830:86//AL034399  
 F-PLACE1009335//Human (lambda) DNA for immunoglobulin light chain//0.071:253:62//D87015  
 F-PLACE1009338//RPCI11-74N24 TV RPCI11 Homo sapiens genomic clone R-74N24, genomic survey se-  
 quence//2.4e-34:180:100//AQ268811  
 45 F-PLACE1009368  
 F-PLACE1009375  
 F-PLACE1009388//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1014D13, WORKING  
 DRAFT SEQUENCE//2.0e-37:288:84//AL022311  
 F-PLACE1009398//Human DNA binding protein (HPF2) mRNA, complete cds//4.3e-78:730:74//M27878  
 50 F-PLACE1009404//SmD homolog [mice, liver, mRNA Partial, 199 nt]//0.16:95:71//S71494  
 F-PLACE1009410//Homo sapiens chromosome 17, clone hRPK.142\_H\_19, complete sequence//1.6e-150:701:  
 99//AC005919  
 F-PLACE1009434//Mus musculus clone OST431, genomic survey sequence//2.9e-73:442:88//AF046700  
 F-PLACE1009443//Mycobacterium tuberculosis H37Rv complete genome; segment 148/162//0.012:582:56//  
 55 AL022022  
 F-PLACE1009444//Homo sapiens phosphatidylinositol 4-kinase 230 (pi4K230) mRNA, complete cds//4.6e-21:  
 146:93//AF012872  
 F-PLACE1009459//Mus musculus clone OST9217, genomic survey sequence//2.9e-31:264:81//AF046660

- F-PLACE1009468//Sequence 1 from patent US 5580968//1.9e-83:567:84//I30536  
 F-PLACE1009476//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-67A1, complete sequence//1.9e-142:704:97//AC004531  
 F-PLACE1009477//Human 11p14.3 PAC clone pDJ939m16, complete sequence//2.2e-09:235:68//AC004601  
 5 F-PLACE1009493//Human Chromosome 16 BAC clone CIT987SK-A-363E6, complete sequence//2.9e-83:171:92//U91321  
 F-PLACE1009524//Homo sapiens DNA sequence from PAC 63G5 on chromosome 22q12.3-13.1. Contains part of a gene for a human SEC7 homolog B2-1 (cytohesin-2, Armo, ARF exchange factor) LIKE protein, an unknown gene and a gene coding for a Leucine rich protein. Contains ESTs, STSs and GSSs, complete sequence//3.8e-69:175:92//Z94160  
 10 F-PLACE1009539//Mus musculus synaptojanin 2 isoform alpha mRNA, complete cds//7.0e-26:237:78//AF041862  
 F-PLACE1009542//Human DNA sequence from clone 1039K5 on chromosome 22q12.3-13.2 Contains gene similar to PICK1 perinuclear binding protein, gene similar to monocarboxylate transporter (MCT3), ESTs, STS, GSS and a CpG island, complete sequence//3.1e-10:126:79//AL031587  
 15 F-PLACE1009571//RPCI11-60K12.TK RPCI11 Homo sapiens genomic clone R-60K12, genomic survey sequence//1.4e-05:68:91//AQ195869  
 F-PLACE1009581  
 F-PLACE1009595//Homo sapiens chromosome 5, P1 clone 1029A7 (LBNL H15), complete sequence//6.6e-19:309:70//AC003959  
 20 F-PLACE1009596//Rattus norvegicus platelet-activating factor acetylhydrolase beta subunit (PAF-AH beta) gene, complete cds//9.0e-09:485:59//AF016049  
 F-PLACE1009607//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 409J21, WORKING DRAFT SEQUENCE//4.9e-43:714:66//Z83824  
 25 F-PLACE1009613//Plasmodium falciparum 3D7 chromosome 12 PFYAC293 genomic sequence, WORKING DRAFT SEQUENCE, 9 unordered pieces//0.017:655:57//AC004157  
 F-PLACE1009621  
 F-PLACE1009622//HS-1016-B2-E08-MF.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 791 Col=16 Row=J, genomic survey sequence//2.7e-15:100:98//B33248  
 30 F-PLACE1009637//Plasmodium falciparum 3D7 chromosome 12 PFYAC492 genomic sequence, WORKING DRAFT SEQUENCE, 5 unordered pieces//0.63:130:67//AC005308  
 F-PLACE1009639//S.pombe chromosome II cosmid c24E9//0.86:509:58//AL021816  
 F-PLACE1009659//Homo sapiens mRNA for KIAA0587 protein, complete cds//1.4e-171:816:98//AB011159  
 F-PLACE1009665//Homo sapiens chromosome 17, clone HCIT462L7, complete sequence//3.4e-67:437:87//AC005177  
 35 F-PLACE1009670//Homo sapiens genethonin 1 mRNA, complete cds//2.5e-147:701:98//AF062534  
 F-PLACE1009708//Homo sapiens clone DJ0935K16, complete sequence//1.5e-98:228:100//AC006011  
 F-PLACE1009721//Human Cosmid g0771a222 from 7q31.3, complete sequence//2.2e-130:736:91//AC000109  
 F-PLACE1009731//M.musculus mRNA for immunity associated protein 38//1.1e-13:311:64//Y08026  
 40 F-PLACE1009763//Homo sapiens UBA3 (UBA3) mRNA, complete cds//4.2e-125:602:98//AF046024  
 F-PLACE1009794  
 F-PLACE1009798//Hnman DNA sequence from clone 1189B24 on chromosome Xq25-26.3. Contains NADH-Ubiquinone Oxidoreductase MLRQ subunit (EC 1.6.5.3, EC 1.6.99.3, CI-MLRQ), Tubulin Beta and Proto-oncogene Tyrosine-protein Kinase FER (EC 2.7.1.112, P94-FER, C-FER, TYK3) pseudogenes, and part of a novel gene similar to hypothetical proteins S. pombe C22F3.14C and C. elegans C16A3.8. Contains ESTs, an STS and GSSs, complete sequence//1.3e-73:271:84//AL030996  
 45 F-PLACE1009845  
 F-PLACE1009861//B.tauris cathepsin B mRNA, 3' end//0.00023:147:65//M64620  
 F-PLACE1009879//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 159A1, WORKING DRAFT SEQUENCE//4.9e-27:725:63//AL034397  
 50 F-PLACE1009886//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 167A19, WORKING DRAFT SEQUENCE//8.2e-12:135:82//AL031427  
 F-PLACE1009888//F14G3-T7 IGF Arabidopsis thaliana genomic clone F14G3, genomic survey sequence//0.0044:232:60//AQ251431  
 55 F-PLACE1009908//S.pombe chromosome I cosmid c3F10//1.5e-19:559:59//Z69369  
 F-PLACE1009921//Homo sapiens cosmid clone HDAB (1S149) insert DNA, complete cosmid//5.9e-48:304:87//M63005  
 F-PLACE1009924//Homo sapiens chromosome 16p11.2 BAC clone CIT987SK-2011O4, WORKING DRAFT SE-



QUENCE, 4 unordered pieces //2.4e-51:481:78//AC004529  
 F-PLACE1009925//nbxb0027C22r CUGI Rice BAC Library Oryza sativa genomic clone nbxb0027C22r, genomic survey sequence //0.98:220:67//AQ272066  
 F-PLACE1009935//Sequence 16 from patent US 5552281 //0.030:152:67//I25655  
 5 F-PLACE1009947//Homo sapiens clone GS096J14, WORKING DRAFT SEQUENCE, 3 unordered pieces //2.6e-12:322:67//AC006026  
 F-PLACE1009971  
 F-PLACE1009992//HS\_3178\_B1\_F04\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3178 Col=7 Row=L, genomic survey sequence //4.9e-23:142:95//AQ150311  
 10 F-PLACE1009995//Caenorhabditis elegans cosmid C01A2, complete sequence //0.00019:231:64//Z81029  
 F-PLACE1009997//Rattus norvegicus A-kinase anchoring protein AKAP 220 mRNA, complete cds //7.9e-87:552:80//U48288  
 F-PLACE1010023  
 F-PLACE1010031//Human DNA sequence from clone 30M3 on chromosome 6p22.1-22.3. Contains three novel genes, one similar to C. elegans Y63D3A.4 and one similar to (predicted) plant, worm, yeast and archaea bacterial genes, and the first exon of the KIAA0319 gene. Contains ESTs, GSSs and putative CpG islands, complete sequence //6.9e-101:181:98//AL031775  
 15 F-PLACE1010053//M.musculus Spnr mRNA for RNA binding protein //2.3e-136:689:95//X84692  
 F-PLACE1010069//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 212A2, WORKING DRAFT SEQUENCE //0.0090:383:60//Z95114  
 20 F-PLACE1010074//Homo sapiens sorting nexin 2 (SNX2) mRNA, complete cds //1.8e-166:792:98//AF065482  
 F-PLACE1010076//Mouse mRNA for TGF-beta type I receptor, complete cds //7.5e-13:203:77//D25540  
 F-PLACE1010083//Homo sapiens mRNA for KIAA0456 protein, partial cds //3.0e-152:727:98//AB007925  
 F-PLACE1010089//HS\_3111\_A1\_E08\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3111 Col=15 Row=I, genomic survey sequence //4.8e-07:124:78//AQ101268  
 25 F-PLACE1010096//R.norvegicus mRNA for 100 kDa protein //1.2e-108:700:85//X64411  
 F-PLACE1010102//Plasmodium falciparum 3D7 chromosome 12 PFYAC357 genomic sequence, WORKING DRAFT SEQUENCE, 7 unordered pieces //2.1e-07:476:60//AC005506  
 F-PLACE1010105//Homo sapiens actin binding protein MAYVEN mRNA, complete cds //3.8e-25:728:60//AF059569  
 30 F-PLACE1010106//Human DNA sequence from PAC 127B14 on chromosome Xq22 //6.5e-25:488:63//Z93928  
 F-PLACE1010134//S.pombe chromosome I cosmid c29B12 //1.9e-13:238:67//Z99164  
 F-PLACE1010148//Homo sapiens partial human cDNA (660 bp) //4.8e-83:409:98//AJ222636  
 F-PLACE1010152//CIT-HSP-2381F24.TF CIT-HSP Homo sapiens genomic clone 2381F24, genomic survey sequence //1.5e-28:163:98//AQ196757  
 35 F-PLACE1010181//Homo sapiens PAC clone DJ1139I01 from Xq23, complete sequence //2.4e-15:197:72//AC004973  
 F-PLACE1010194//Ictalurus punctatus tumor suppressor p53 mRNA, complete cds //3.0e-14:181:74//AF074967  
 F-PLACE1010202//Homo sapiens mRNA for MBNL protein //1.2e-27:509:66//Y13829  
 40 F-PLACE1010231//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 287G14, WORKING DRAFT SEQUENCE //2.3e-101:194:95//AL033377  
 F-PLACE1010261//Homo sapiens mRNA for KIAA0448 protein, complete cds //5.8e-145:693:97//AB007917  
 F-PLACE1010270//Plasmodium falciparum 3D7 chromosome 12 PFYAC588 genomic sequence; WORKING DRAFT SEQUENCE, 2 unordered pieces //2.1e-05:347:60//AC004710  
 45 F-PLACE1010274//Caenorhabditis elegans cosmid C01A2, complete sequence //0.00040:231:64//Z81029  
 F-PLACE1010293//Homo sapiens chromosome 2 PAC RPC13-417E16 (Roswell Park Cancer Institute Human PAC library) complete sequence //6.5e-25:344:70//AC004464  
 F-PLACE1010310//Homo sapiens DNA sequence from PAC 329E20 on chromosome 1p34.4-36.13. Contains endothelin-converting-enzyme 1 (ECE-1), EST, STS, CA repeat, complete sequence //3.5e-10:185:67//AL031005  
 50 F-PLACE1010321//Human DNA sequence from clone 299D3 on chromosome 22q13.3, complete sequence //0.010:524:58//Z84468  
 F-PLACE1010324//CIT-HSP-2335J21.TR CIT-HSP Homo sapiens genomic clone 2335J21, genomic survey sequence //9.1e-90:448:97//AQ041837  
 F-PLACE1010329//Apis mellifera ligustica complete mitochondrial genome //2.8e-08:384:64//L06178  
 55 F-PLACE1010341//HS-1047-A2-C04-MR.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 830 Col=8 Row=E, genomic survey sequence //4.1e-21:141:92//B38252  
 F-PLACE1010362//Mycobacterium tuberculosis H37Rv complete genome; segment 155/162 //0.94:398:57//AL022121

# EP 1 074 617 A2

F-PLACE1010364//Caenorhabditis elegans DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y102G3, WORKING DRAFT SEQUENCE.//0.11:404:56//AL020985  
F-PLACE1010383//Homo sapiens chromosome 17, clone hCIT.186\_H\_2, complete sequence.//0.066:88:76//AC004675  
5 F-PLACE1010401//CIT-HSP-2367K17.TR CIT-HSP Homo sapiens genomic clone 2367K17, genomic survey sequence.//2.4e-71:454:88//AQ076825  
F-PLACE1010481//Bos taurus C5-glucuronyl epimerase mRNA, partial cds.//7.5e-134:722:93//AF003927  
F-PLACE1010491//Homo sapiens Cre binding protein-like 2 mRNA, complete cds.//2.2e-150:702:99//AF039081  
F-PLACE1010492  
10 F-PLACE1010522//Homo sapiens cosmid LM1937 from Xq28.//0.022:405:60//U82695  
F-PLACE1010529//Sequence 1 from patent US 5776717.//2.9e-145 :684:98//AR016417  
F-PLACE1010547//Human DNA sequence from clone 790B6 on chromosome 20p11.22-12.2. Contains STSs and GSSs, complete sequence.//1.0:283:61//AL031677  
F-PLACE1010562//RPC111-65116.TK RPC111 Homo sapiens genomic clone R-65116, genomic survey sequence.//  
15 0.017:216:67//AQ200831  
F-PLACE1010579//Homo sapiens full-length insert cDNA YI23D12.//3.9e-19:147:89//AF075014  
F-PLACE1010580//Mouse RNA helicase and RNA-dependent ATPase from the DEAD box family mRNA, complete cds.//6.4e-96:559:89//L25125  
F-PLACE1010599//Homo sapiens peroxisomal membrane anchor protein HsPex14p (PEX14) mRNA, complete  
20 cds.//3.1e-146:707:97//AF045186  
F-PLACE1010616//Plasmodium falciparum 3D7 chromosome 12 PFYAC492 genomic sequence, WORKING DRAFT SEQUENCE, 5 unordered pieces.//0.045:454:59//AC005308  
F-PLACE1010622//Plasmodium falciparum MAL3P2, complete sequence.//9.1e-07:378:60//AL034558  
F-PLACE1010624//Streptomyces coelicolor cosmid 5A7.//1.4e-05:518:61//AL031107  
25 F-PLACE1010628//Homo sapiens clone DJ0647C14, WORKING DRAFT SEQUENCE, 21 unordered pieces.//5.0e-137:675:97//AC004846  
F-PLACE1010629//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-259H10, complete sequence.//2.5e-17:187:80//AC004682  
F-PLACE1010630//Arabidopsis thaliana genomic DNA, chromosome 5, TAC clone: K21 P3, complete sequence.//  
30 0.21:159:64//AB016872  
F-PLACE1010631//Homo sapiens clone RG140B11, WORKING DRAFT SEQUENCE, 1 unordered pieces.//1.2e-144:720:97//AC005069  
F-PLACE1010661  
F-PLACE1010662//Arabidopsis thaliana DNA chromosome 4, BAC clone F7J7 (ESSA project).//0.90:257:61//  
35 AL021960  
F-PLACE1010702//Human repressor transcriptional factor (ZNF85) mRNA, complete cds.//3.3e-73:697:74//U35376  
F-PLACE1010714//Human Chromosome 15q11-q13 PAC clone pDJ778a2, complete sequence.//0.010:447:59//AC004583  
40 F-PLACE1010720//Mouse TPA-induced TIS11 mRNA.//2.0e-86:535:88//X14678  
F-PLACE1010739//HS\_2013\_B2\_B10\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2013 Col=20 Row=D, genomic survey sequence.//5.7e-87:435:97//AQ235864  
F-PLACE1010743//R.norvegicus mRNA for myr5.//1.7e-87:582:85//X77609  
F-PLACE1010761//Homo sapiens chromosome 17, clone hRPK.294\_J\_22, complete sequence.//4.7e-45:235:  
45 99//AC005921  
F-PLACE1010771//M.musculus HCNGP mRNA.//1.6e-135:801:88//X68061  
F-PLACE1010786//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 4-15, complete sequence.//0.35:334:60//AL010221  
F-PLACE1010800//RPC111-79H17.TV RPC111 Homo sapiens genomic clone R-79H17, genomic survey sequence.//5.8e-18:168:82//AQ284252  
50 F-PLACE1010802//Human Chromosome X clone bWXD531, complete sequence.//1.6e-30:693:63//AC004384  
F-PLACE1010811//RPC111-51N5.TK RPC111 Homo sapiens genomic clone R-51N5, genomic survey sequence.//8.3e-11:142:78//AQ052380  
F-PLACE1010833//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 467K16, WORKING DRAFT SEQUENCE.//7.3e-40:147:88//AL031283  
55 F-PLACE1010856//M.musculus mRNA for utrophin.//7.3e-17:150:86//Y12229  
F-PLACE1010857//Homo sapiens genomic DNA of 8p21.3-p22 anti-oncogene of hepatocellular colorectal and non-small cell lung cancer, segment 11/11.//1.4e-94:422:95//AB020868

F-PLACE1010870//M.musculus mRNA for ZT3 zinc finger factor.//1.3e-93:530:90//Z67747  
 F-PLACE1010877//Homo sapiens mRNA for KIAA0610 protein, partial cds.//1.1e-147:694:98//AB011182  
 F-PLACE1010891  
 5 F-PLACE1010896//Mouse BAC mbac20 from 14D1-D2 (T-Cell Receptor Alpha Locus), complete sequence.//3.9e-26:394:68//AC003997  
 F-PLACE1010900  
 F-PLACE1010916//HS\_2242\_A1\_C04\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2242 Col=7 Row=E, genomic survey sequence.//1.0e-78:391:97//AQ146687  
 F-PLACE1010917  
 10 F-PLACE1010925//Plasmodium falciparum 3D7 chromosome 12 PFYAC69 genomic sequence, WORKING DRAFT SEQUENCE, 4 unordered pieces.//0.11:629:56//AC004688  
 F-PLACE1010926//Homo sapiens mRNA for KIAA0554 protein, partial cds.//9.5e-138:653:98//AB011126  
 F-PLACE1010942//Homo sapiens intersectin short form mRNA, complete cds.//5.6e-90:437:98//AF064243  
 F-PLACE1010944//Homo sapiens full-length insert cDNA clone ZD38E12.//1.4e-09:208:68//AF086247  
 15 F-PLACE1010947  
 F-PLACE1010954//CIT-HSP-2283D9.TR CIT-HSP Homo sapiens genomic clone 2283D9, genomic survey sequence.//2.1e-29:190:91//B98965  
 F-PLACE1010960//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 4-52, complete sequence.//0.00074:421:60//AL010226  
 20 F-PLACE1010965//CIT-HSP-2386K24:TF.1 CIT-HSP Homo sapiens genomic clone 2386K24, genomic survey sequence.//1.8e-84:412:99//AQ240696  
 F-PLACE1011026//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 3-20, complete sequence.//0.00037:257:64//AL008972  
 F-PLACE1011032//Homo sapiens chromosome 5, BAC clone 118L13 (LBNL H176), complete sequence.//3.8e-06:315:65//AC005348  
 25 F-PLACE1011041//Human Fas-ligand associated factor 3 mRNA, partial cds.//1.5e-56:286:98//U70669  
 F-PLACE1011046//Rat phospholipase C-1 mRNA, complete cds.//1.3e-24:278:76//M20636  
 F-PLACE1011054//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 981L23, WORKING DRAFT SEQUENCE.//3.8e-27:196:84//AL031686  
 30 F-PLACE1011056//Ovis aries bactinecin 11 (Bac11) gene, exon 4, and complete cds.//5.4e-06:182:67//U77049  
 F-PLACE1011057//protein kinase PRK2 [human, DX3 B-cell myeloma cell line, mRNA, 3255 nt].//3.2e-31:169:100//S75548  
 F-PLACE1011090//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 998H6, WORKING DRAFT SEQUENCE.//5.1e-80:479:89//AL031687  
 35 F-PLACE1011109//Rattus norvegicus nuclear-encoded mitochondrial elongation factor G mRNA, complete cds.//2.3e-24:192:84//L14684  
 F-PLACE1011114//S.cerevisiae chromosome XI reading frame ORF YKR024c.//1.4e-14:346:60//Z28249  
 F-PLACE1011133//T7E9-T7.1 TAMU Arabidopsis thaliana genomic clone T7E9, genomic survey sequence.//0.010:345:60//B19698  
 40 F-PLACE1011143//CIT-HSP-2375J10.TR CIT-HSP Homo sapiens genomic clone 2375J10, genomic survey sequence.//0.00013:95:76//AQ109305  
 F-PLACE1011160//Homo sapiens PAC clone DJ0808A01 from 7q21.1-q31.1, complete sequence.//3.7e-111:692:87//AC004893  
 F-PLACE1011165//H.sapiens galactokinase (GK2) mRNA, complete cds.//8.4e-31:194:92//M84443  
 45 F-PLACE1011185//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-249B10, complete sequence.//3.1e-43:447:72//AC002288  
 F-PLACE1011203//Homo sapiens chromosome 18q11 beta-1,4-galactosyltransferase mRNA, complete cds.//3.3e-124:584:99//AF038664  
 F-PLACE1011214//HS\_2046\_A2\_B01\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2046 Col=2 Row=C, genomic survey sequence.//2.0e-39:346:81//AQ305965  
 50 F-PLACE1011219  
 F-PLACE1011221//CITBI-E1-2513F18.TR CITBI-E1 Homo sapiens genomic clone 2513F18, genomic survey sequence.//2.4e-20:119:100//AQ279801  
 F-PLACE1011229//Homo sapiens mRNA for KIAA0529 protein, partial cds.//4.4e-146:675:99//AB011101  
 55 F-PLACE1011263//Homo sapiens BAC clone GS166A23 from 7p21, complete sequence.//1.7e-42:212:84//AC005014  
 F-PLACE1011273//Caenorhabditis elegans DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y37D8, WORKING DRAFT SEQUENCE.//1.0:214:60//Z92819

# EP 1 074 617 A2

- F-PLACE1011291//RPCI11-16P9.TP RPCI-11 Homo sapiens genomic clone RPCI-11-16P9, genomic survey sequence.//8.0e-08:66:98//B81770
- F-PLACE1011296//Homo sapiens chromosome 16, cosmid clone 443G8 (LANL), complete sequence.//0.027:135:67//AC004647
- 5 F-PLACE1011310//H.sapiens CpG island DNA genomic MseI fragment, clone 53c10, reverse read cpg53c10.rt1b.//1.4e-05:57:100//Z61496
- F-PLACE1011325//Human immunodeficiency virus type 1 (D9) proviral structural capsid protein (gag) gene, partial cds.//0.077:193:60//L02290
- F-PLACE1011332//Homo sapiens N-acetylglucosamine-phosphate mutase mRNA, complete cds.//3.1e-150:699:99//AF102265
- 10 F-PLACE1011340//Homo sapiens chromosome 17, clone hRPK.388\_F\_14, complete sequence.//2.4e-38:186:83//AC005375
- F-PLACE1011371//Mus musculus PK-120 precursor (itih-4) mRNA, complete cds.//6.0e-35:689:63//AF023919
- F-PLACE1011375//Mus musculus Kv3.4 gene, exon 4.//6.0e-88:584:86//AJ010310
- 15 F-PLACE1011399//paramecium species 7,325 mt dna dimer: replication init. region.//0.00011:255:63//K00919
- F-PLACE1011419//Homo sapiens chromosome 21 PAC LLNLP704G1150Q13.//0.067:337:62//AJ006996
- F-PLACE1011433//Homo sapiens mRNA for KIAA0530 protein, partial cds.//4.6e-157:743:98//AB011102
- F-PLACE1011452//Homo sapiens \*\*\* SEQUENCING IN PROGRESS \*\*\*, WORKING DRAFT SEQUENCE.//1.1e-53:557:73//AJ011929
- 20 F-PLACE1011465//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-248F7, complete sequence.//3.5e-71:498:80//AC004605
- F-PLACE1011472//Homo sapiens mRNA for KIAA0712 protein, complete cds.//4.8e-151:703:99//AB018255
- F-PLACE1011477//Homo sapiens sorting nexin 2 (SNX2) mRNA, complete cds.//5.2e-145:675:99//AF065482
- F-PLACE1011492//Ray (T.californica) acetylcholine receptor beta-subunit mRNA.//1.0:448:59//J00964
- 25 F-PLACE1011503
- F-PLACE1011520//Homo sapiens clone DJ1119N05, complete sequence.//3.8e-147:692:99//AC004968
- F-PLACE1011563//R.norvegicus mRNA for leucocyte common antigen-related protein (3941 bp).//0.00036:296:61//X83546
- F-PLACE1011567//Homo sapiens PAC clone DJ1164K10 from 7p21-p22, complete sequence.//1.1e-38:315:82//AC004984
- 30 F-PLACE1011576//Homo sapiens hematopoietic cell derived zinc finger protein mRNA, complete cds.//1.3e-65:268:86//AF054180
- F-PLACE1011586//Homo sapiens chromosome 17, clone HRPC890E16, complete sequence.//2.0e-82:188:96//AC004477
- 35 F-PLACE1011635//Homo sapiens chromosome 17, clone hRPK.214\_O\_1, complete sequence.//1.8e-153:752:97//AC005224
- F-PLACE1011641//Homo sapiens T-cell receptor alpha delta locus from bases 501613 to 752736 (section 3 of 5) of the Complete Nucleotide Sequence.//4.8e-05:190:67//AE000660
- F-PLACE1011643//Alcaligenes eutrophus phaP gene.//0.16:466:59//X85729
- 40 F-PLACE1011646//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1013A10, WORKING DRAFT SEQUENCE.//9.1e-19:156:76//AL033383
- F-PLACE1011649
- F-PLACE1011650//Homo sapiens retinol dehydrogenase gene, complete cds.//6.4e-09:172:74//AF037062
- F-PLACE1011664//D.melanogaster crn mRNA.//1.1e-52:650:68//X58374
- 45 F-PLACE1011675//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-628 genomic sequence, WORKING DRAFT SEQUENCE, 9 unordered pieces.//0.11:443:58//AC005507
- F-PLACE1011682//Human DNA sequence from clone 342B11 on chromosome 22q12.1-12.3. Contains ESTs and a GSS, complete sequence.//0.31:127:71//AL008719
- F-PLACE1011719//Human BAC clone RG369K23 from 7q31, complete sequence.//4.6e-52:461:77//AC002487
- 50 F-PLACE1011725
- F-PLACE1011729//Human Chromosome 15q11-q13 clone pDJ276c12 from the Prader-Willi/Angelman syndrome region, WORKING DRAFT SEQUENCE, 3 unordered pieces.//0.011:320:62//AC004737
- F-PLACE1011749//Plasmodium falciparum 3D7 chromosome 12 PFYAC293 genomic sequence, WORKING DRAFT SEQUENCE, 9 unordered pieces.//0.00031:544:59//AC004157
- 55 F-PLACE1011762//Homo sapiens BAC clone RG437L15 from 8q21, complete sequence.//2.4e-115:682:90//AC004003
- F-PLACE1011778//RPCI11-22D17.TVB RPCI-11 Homo sapiens genomic clone RPCI-11-22D17, genomic survey sequence.//2.7e-114:611:93//AQ008944

F-PLACE1011783//CIT-HSP-2317N1.TF CIT-HSP Homo sapiens genomic clone 2317N1, genomic survey sequence.//2.3e-17:120:94//AQ042330  
 F-PLACE1011858//Gallus domesticus filamin mRNA, complete cds.//4.1e-24:565:64//U00147  
 F-PLACE1011874//Homo Sapiens Chromosome X clone bWDX312, complete sequence.//2.5e-141:678:98//AC004478  
 5 F-PLACE1011875//Homo sapiens mRNA for KIAA0580 protein, partial cds.//1.6e-108:526:98//AB011152  
 F-PLACE1011891//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 439F8, WORKING DRAFT SEQUENCE.//0.0014:330:62//AL021392  
 F-PLACE1011896//Mus musculus Wnt10a mRNA, complete cds.//1.4e-89:678:82//U61969  
 10 F-PLACE1011922//Caprine arthritis-encephalitis virus envelope glycoprotein (env) gene, partial cds.//0.069:246:61//U81400  
 F-PLACE1011923//Homo sapiens serum-inducible kinase mRNA, complete cds.//1.2e-138:664:98//AF059617  
 F-PLACE1011962//HS\_3212\_B2\_G12\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3212 Col=24 Row=N, genomic survey sequence.//2.4e-07:154:74//AQ175369  
 15 F-PLACE1011964//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 322P7, WORKING DRAFT SEQUENCE.//3.7e-22:369:69//AL023799  
 F-PLACE1011982//HS-1041-A1-B01-MR.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 823 Col=1 Row=C, genomic survey sequence.//0.44:309:58//B36529  
 F-PLACE1011995//Homo sapiens Xq28 BAC RPC11-382P7 (Roswell Park Cancer Institute Human BAC Library) complete sequence.//8.8e-53:687:71//AC006054  
 20 F-PLACE1012031//Homo sapiens mRNA for KIAA0713 protein, partial cds.//1.2e-146:690:98//AB018256  
 F-PLACE2000003//Homo sapiens chromosome 17, clone hRPK.318\_A\_15, complete sequence.//1.7e-62:293:88//AC005837  
 F-PLACE2000006//Homo sapiens chromosome 12p13.3 clone RPC11-96H9, WORKING DRAFT SEQUENCE, 66 unordered pieces.//1.4e-116:261:91//AC006057  
 25 F-PLACE2000007  
 F-PLACE2000011//Homo sapiens chromosome 19, cosmid F20887, complete sequence.//5.2e-102:489:99//AC005578  
 F-PLACE2000014//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1111N9, WORKING DRAFT SEQUENCE.//0.0095:307:62//AL022574  
 30 F-PLACE2000015//Homo sapiens clone RG140B11, WORKING DRAFT SEQUENCE, 1 unordered pieces.//2.0e-36:316:81//AC005069  
 F-PLACE2000017//HS\_3042\_A1\_F08\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3042 Col=15 Row=K, genomic survey sequence.//1.0:184:61//AQ098074  
 35 F-PLACE2000021//Homo sapiens TRF1-interacting ankyrin-related ADP-ribose polymerase mRNA, complete cds.//4.6e-84:844:72//AF082556  
 F-PLACE2000030//Human Chromosome 11 Cosmid cSRL16b6, complete sequence.//2.3e-22:233:77//U73638  
 F-PLACE2000033//C.capitata mRNA for chorion protein s18.//0.0019:342:62//Y08913  
 F-PLACE2000034//Rattus norvegicus transmembrane receptor Robo1 mRNA, complete cds.//2.8e-13:335:63//AF041082  
 40 F-PLACE2000039//Rattus norvegicus cytoplasmic dynein heavy chain (MAP 1C), mRNA, complete cds.//7.7e-84:489:90//L08505  
 F-PLACE2000047//Homo sapiens ccr2b (ccr2), ccr2a (ccr2), ccr5 (ccr5) and ccr6 (ccr6) genes, complete cds, and lactoferrin (lactoferrin) gene, partial cds, complete sequence.//5.0e-28:327:76//U95626  
 45 F-PLACE2000050//Homo sapiens chromosome 17, clone HRPC41C23, complete sequence.//1.1e-32:527:68//AC003101  
 F-PLACE2000061//CIT-HSP-2346L20.TF CIT-HSP Homo sapiens genomic clone 2346L20, genomic survey sequence.//1.1e-05:89:83//AQ059010  
 F-PLACE2000062//Human membrane-associated lectin type-C mRNA.//9.0e-113:662:86//M98457  
 50 F-PLACE2000072//Homo sapiens ZNF202 beta (ZNF202) mRNA, complete cds.//2.2e-133:631:98//AF027219  
 F-PLACE2000097//Homo sapiens chromosome 12p13.3 clone RPC11-189M20, WORKING DRAFT SEQUENCE, 39 unordered pieces.//1.6e-16:119:93//AC005910  
 F-PLACE2000100//HS\_3184\_A1\_D06\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3184 Col=11 Row=G, genomic survey sequence.//1.5e-80:409:97//AQ150004  
 55 F-PLACE2000103//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 20208, WORKING DRAFT SEQUENCE.//1.0e-172:830:98//AL031848  
 F-PLACE2000111//Homo sapiens DNA, trinucleotide repeats region.//1.0:200:64//AB018491  
 F-PLACE2000115

# EP 1 074 617 A2

- F-PLACE2000124//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-67A1, complete sequence//6.2e-43:362:80//AC004531
- F-PLACE2000132//RPCI11-79F15.TV RPCI11 Homo sapiens genomic clone R-79F15, genomic survey sequence//5.4e-35:206:94//AQ284166
- 5 F-PLACE2000136//Human BAC clone 7E17 from 12q, complete sequence//2.7e-12:814:59//AC002070
- F-PLACE2000140//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 11703, WORKING DRAFT SEQUENCE//3.6e-165:799:97//AL020995
- F-PLACE2000164//Canine histamine H2 receptor gene, complete cds//0.10:392:56//M32701
- F-PLACE2000170
- 10 F-PLACE2000172//Homo sapiens PAC clone DJ0811017 from 7q21-22, complete sequence//3.9e-91:552:88//AC006005
- F-PLACE2000176//Homo sapiens Chromosome 22q11.2 BAC Clone b437g10 In BCRL2-GGT Region, complete sequence//0.98:201:64//AC004032
- F-PLACE2000187
- 15 F-PLACE2000216
- F-PLACE2000223//RPCI11-12L17.TP RPCI-11 Homo sapiens genomic clone RPCI-11-12L17, genomic survey sequence//0.00039:325:58//B75888
- F-PLACE2000235//Human Chromosome 16 BAC clone CIT987SK-254P9, complete sequence//7.5e-55:237:78//AC003003
- 20 F-PLACE2000246//Homo sapiens chromosome 3p clone RPCI4-544D10, WORKING DRAFT SEQUENCE, 58 unordered pieces//2.4e-92:236:94//AC005902
- F-PLACE2000264//Human DNA sequence from clone 391022 on chromosome 6p21.2-21.31 Contains pseudo-genes similar to ribosomal protein, ESTs, GSSs, complete sequence//1.4e-32:331:78//AL031577
- F-PLACE2000274//Anthocidaris crassispina mRNA for B2HC, partial cds//8.5e-48:765:66//AB012308
- 25 F-PLACE2000302//Kaposi's sarcoma-associated herpes-like virus ORF73 homolog gene, complete cds//8.3e-08:662:58//J52064
- F-PLACE2000305//Homo sapiens clone DJ1129L24, WORKING DRAFT SEQUENCE, 5 unordered pieces//2.4e-08:95:81//AC006021
- F-PLACE2000317//HS\_3183\_B2\_F05\_MR CIT Approved Human Genomic Sperm-Library D Homo sapiens genomic clone Plate=3183 Col=10 Row=L, genomic survey sequence//2.5e-71:346:99//AQ172747
- 30 F-PLACE2000335//Homo sapiens clone DJ1032D07, WORKING DRAFT SEQUENCE, 3 unordered pieces//3.7e-14:402:65//AC004952
- F-PLACE2000341//Rattus norvegicus sodium-dependent multi-vitamin transporter (SMVT) mRNA, complete cds//4.5e-77:555:82//AF026554
- 35 F-PLACE2000342//Suid herpesvirus 1 UL5 gene, partial cds, UL6 and UL7 genes, complete cds, UL8 gene, partial cds//1.8e-14:259:71//U66829
- F-PLACE2000347//Human DNA from overlapping chromosome 19-specific cosmids R32543,, and F15613 containing ZNF gene family member, genomic sequence, complete sequence//6.0e-34:376:74//AC003006
- F-PLACE2000359//RPCI11-23J20.TKBR RPCI-11 Homo sapiens genomic clone RPCI-11-23J20, genomic survey sequence//8.4e-21:288:69//AQ013849
- 40 F-PLACE2000366//Human Tigger1 transposable element, complete consensus sequence//5.0e-114:692:80//U49973
- F-PLACE2000371//Homo sapiens 12p13.3 PAC RPCI1-29K11 (Roswell Park Cancer Institute Human PAC Library) complete sequence//0.38:356:58//AC005182
- 45 F-PLACE2000373//RPCI11-49C18.TJ RPCI11 Homo sapiens genomic clone R-49C18, genomic survey sequence//0.064:132:68//AQ051776
- F-PLACE2000379//Homo sapiens Xp22 BAC GS-607H18 (Genome Systems Human BAC library) complete sequence//1.6e-130:776:88//AC003658
- F-PLACE2000394//Homo sapiens chromosome 18 BAC RPCI11-128D14 (Roswell Park Cancer Institute Human BAC Library) complete sequence//5.4e-113:808:83//AC005909
- 50 F-PLACE2000398//Mouse hexamer repeat sequence (117) homologous to Drosophila 'period' gene//0.87:286:63//X06967
- F-PLACE2000399
- F-PLACE2000404//Caenorhabditis elegans cosmid R74, complete sequence//2.9e-59:532:68//Z36238
- 55 F-PLACE2000411//Acanthamoeba castellanii transformation-sensitive protein homolog mRNA, complete cds//0.44:553:56//U89984
- F-PLACE2000419//Human adenosine deaminase (ADA) gene, complete cds//1.4e-56:303:86//M13792
- F-PLACE2000425//HS\_3047\_A1\_H05\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-

# EP 1 074 617 A2

nomic clone Plate=3047 Col=9 Row=O, genomic survey sequence.//2.8e-42:224:97//AQ126949  
 F-PLACE2000427  
 F-PLACE2000433//Homo sapiens chromosome 17, clone hRPK.156\_L\_14, complete sequence.//1.1e-19:363:  
 67//AC005821  
 5 F-PLACE2000435//HS\_3036\_B1\_F11\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3036 Col=21 Row=L, genomic survey sequence.//3.1e-06:184:66//AQ096999  
 F-PLACE2000438//Caenorhabditis elegans cosmid Y45F10D, complete sequence.//4.6e-23:550:62//AL021492  
 F-PLACE2000450//Homo sapiens PAC clone DJ1188N21 from 7q11.23-q21.1, complete sequence.//1.0e-78:604:  
 80//AC006025  
 10 F-PLACE2000455//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-279B10, complete sequence.//8.2e-  
 05:330:63//AC002300  
 F-PLACE2000458//Homo sapiens chromosome 5p, BAC clone 50g21 (LBNL H154), complete sequence.//5.7e-  
 168:816:97//AC005740  
 F-PLACE2000465//Human Chromosome 11 Overlapping Cosmids cSRL72g7 and cSRL140b8, complete se-  
 15 quence.//4.3e-33:296:79//AC002037  
 F-PLACE2000477//Homo sapiens clone RG052H06, WORKING DRAFT SEQUENCE, 11 unordered pieces.//  
 3.4e-59:598:74//AC005057  
 F-PLACE3000004//Human EYA3 homolog (EYA3) mRNA, complete cds.//7.6e-49:361:84//U81602  
 F-PLACE3000009//Human placenta (Diff48) mRNA, complete cds.//3.0e-58:713:69//U49187  
 20 F-PLACE3000020//R.norvegicus type III adenylyl cyclase mRNA, complete cds.//6.1e-103:600:89//M55075  
 F-PLACE3000029  
 F-PLACE3000059//Mus musculus mRNA for ubiquitin conjugating enzyme.//4.4e-115:718:86//Y17267  
 F-PLACE3000070//Homo sapiens chromosome 5, BAC clone 194j18 (LBNL H158), complete sequence.//1.8e-  
 17:250:74//AC005368  
 25 F-PLACE3000103//Caenorhabditis elegans cosmid C13F10.//4.6e-07:408:61//U97006  
 F-PLACE3000119//\*\*\* SEQUENCING IN PROGRESS \*\*\* Homo sapiens chromosome 4, BAC clone C0190L06;  
 HTGS phase 1, WORKING DRAFT SEQUENCE, 21 unordered pieces.//1.5e-58:291:86//AC004670  
 F-PLACE3000121//Rattus norvegicus rsec15 mRNA, complete cds.//8.1e-81:837:71//AF032668  
 F-PLACE3000124//Homo sapiens chromosome 17, clone hRPK.85\_B\_7, complete sequence.//1.8e-48:330:79//  
 30 AC005695  
 F-PLACE3000136  
 F-PLACE3000142//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 349A12, WORKING  
 DRAFT SEQUENCE.//0.011:294:62//AL033520  
 F-PLACE3000145//Gallus gallus tensin mRNA, 3' end.//6.9e-52:659:68//L06662  
 35 F-PLACE3000147//Human DNA sequence from clone 267M20 on chromosome Xq22.2-22.3. Contains part of the  
 DIAPH2 gene and a pseudogene, ESTs, STSs and GSSs, complete sequence.//5.1e-37:305:81//AL031053  
 F-PLACE3000148//Homo sapiens chromosome Y, clone 47511, complete sequence.//4.7e-32:766:63//AC004474  
 F-PLACE3000155//Homo sapiens chromosome 17, clone hRPK.597\_M\_12, complete sequence.//7.4e-173:822:  
 98//AC005277  
 40 F-PLACE3000156//Homo sapiens chromosome 19, overlapping cosmids F18547, F11133, R27945, R28830 and  
 R32804, complete sequence.//2.2e-81:783:74//AC003682  
 F-PLACE3000157  
 F-PLACE3000158//, complete sequence.//1.0e-180:845:97//AC005500  
 F-PLACE3000160//CIT978SK-152K7.TV CIT978SK Homo sapiens genomic clone 152K7, genomic survey se-  
 45 quence.//0.080:259:59//B50878  
 F-PLACE3000169//Homo sapiens chromosome 19, BAC CIT-B-191n6, complete sequence.//9.8e-158:749:98//  
 AC006130  
 F-PLACE3000194  
 F-PLACE3000197//F.rubripes GSS sequence, clone 075N04bB7, genomic survey sequence.//1.4e-08:164:68//  
 50 AL003352  
 F-PLACE3000199//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 424J12, WORKING  
 DRAFT SEQUENCE.//0.0019:277:58//Z82207  
 F-PLACE3000207//Homo sapiens BAC clone GS165L15 from 7p15, complete sequence.//6.6e-21:312:67//  
 AC005013  
 55 F-PLACE3000208//Homo sapiens (clones: CW52-2, CW27-6, CW15-2, CW26-5, 11-67) collagen type VII inter-  
 genic region and (COL7A1) gene, complete cds.//1.0:279:61//L23982  
 F-PLACE3000218//Homo sapiens, WORKING DRAFT SEQUENCE, 52 unordered pieces.//9.3e-43:383:79//  
 AC004086

# EP 1 074 617 A2

F-PLACE3000220//RPCI11-54B4.TV RPCI11 Homo sapiens genomic clone R-54B4, genomic survey sequence.//2.4e-36:381:76//AQ082056  
F-PLACE3000221//Homo sapiens clone DJ1186P10, WORKING DRAFT SEQUENCE, 6 unordered pieces//7.2e-135:721:91//AC005231  
5 F-PLACE3000226  
F-PLACE3000230//Homo sapiens c1cr2b (ccr2), ccr2a (ccr2), ccr5 (ccr5) and ccr6 (ccr6) genes, complete cds, and lactoferrin (lactoferrin) gene, partial cds, complete sequence.//3.3e-80:498:78//U95626  
F-PLACE3000242//Human DNA sequence from clone 1409 on chromosome Xp11.1-11.4. Contains a Inter-Alpha-Trypsin Inhibitor Heavy Chain LIKE gene, a alternatively spliced Melanoma-Associated Antigen MAGE LIKE gene  
10 and a 6-Phosphofructo-2-kinase (Fructose-2,6-bisphosphatase) LIKE pseudogene. Contains ESTs, STSs and genomic marker DXS8032, complete sequence.//2.6e-54:254:92//Z98046  
F-PLACE3000244//M.musculus mRNA for 200 kD protein.//1.4e-139:850:86//X80169  
F-PLACE3000254//Ateline herpesvirus 3 complete genome.//1.3e-10:399:61//AF083424  
F-PLACE3000271//Human Chromosome 16 BAC clone CIT987SK-A-815A9, complete sequence.//1.8e-21:350:  
15 68//AF001548  
F-PLACE3000276//HS\_2026\_B1\_H11\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2026 Col=21 Row=P, genomic survey sequence.//5.7e-45:376:81//AQ231147  
F-PLACE3000304//Homo sapiens chromosome 19, cosmid R26660, complete sequence.//1.6e-138:650:99//AC005328  
20 F-PLACE3000310  
F-PLACE3000320//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 423B22, WORKING DRAFT SEQUENCE.//1.9e-41:379:77//AL034379  
F-PLACE3000322//Homo sapiens chromosome 17, clone hRPK.209\_J\_20, complete sequence.//3.3e-35:419:68//AC005822  
25 F-PLACE3000331//CIT-HSP-2347D24.TR CIT-HSP Homo sapiens genomic clone 2347D24, genomic survey sequence.//2.7e-20:119:99//AQ061543  
F-PLACE3000339//Rhodobacter sphaeroides magnesium chelatase subunits Bchl (bchl) and BchD (bchD) genes, complete cds; and BchO (bchO) gene, partial cds.//0.99:310:58//AF017642  
F-PLACE3000341//Homo sapiens 3p22 Contig 7 PAC RPCI4-672N11 (Roswell Park Cancer Institute Human PAC  
30 Library) complete sequence.//7.5e-159:752:98//AC006055  
F-PLACE3000350//Rattus norvegicus serine/threonine protein kinase TAO1 mRNA, complete cds.//2.3e-107:592:92//AF084205  
F-PLACE3000352//Human DNA sequence from PAC 293L6 on chromosome 22, complete sequence.//2.1e-37:480:70//Z83732  
35 F-PLACE3000353  
F-PLACE3000362//Homo sapiens chromosome 17, clone hRPK.215\_P\_18, complete sequence.//0.00011:373:60//AC005969  
F-PLACE3000363  
F-PLACE3000365//Human DNA sequence from PAC 227P17, between markers DXS6791 and DXS8038 on chromosome X contains CpG island, EST.//0.074:279:61//Z81007  
40 F-PLACE3000373//Human DNA sequence from PAC 50A13 on chromosome Xp11. Contains ATP SYNTHASE LIPID BINDING PROTEIN P1 (P2, P3) precursor (ATP5G1, ATP5G2, ATP5G3) like pseudogene, ESTs and STSs. Contains polymorphic CA repeat.//2.8e-118:653:92//Z92545  
F-PLACE3000388//Homo sapiens PAC clone DJ0777023 from 7p14-p15, complete sequence.//2.2e-25:288:71//AC005154  
45 F-PLACE3000399//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 466N1, WORKING DRAFT SEQUENCE.//2.3e-69:303:86//Z97630  
F-PLACE3000400//Caenorhabditis elegans cosmid H03A11, complete sequence.//0.0063:435:58//Z93239  
F-PLACE3000401//Homo sapiens clone DJ1147A01, WORKING DRAFT SEQUENCE, 25 unordered pieces.//5.8e-25:292:73//AC006023  
50 F-PLACE3000402//RPCI11-20D6.TVB RPCI-11 Homo sapiens genomic clone RPCI-11-20D6, genomic survey sequence.//1.1e-10:154:74//AQ008761  
F-PLACE3000405//Homo sapiens chromosome 17, clone hRPK.628\_E\_12, complete sequence.//2.9e-41:515:72//AC005701  
55 F-PLACE3000406//cSRL-179E11-u cSRL flow sorted Chromosome 11 specific cosmid Homosapiens genomic clone cSRL-179E11, genomic survey sequence.//2.8e-91:540:89//B03443  
F-PLACE3000413  
F-PLACE3000416//F19L8-Sp6 IGF Arabidopsis thaliana genomic clone F19L8, genomic survey sequence.//



0.0018:664:55//B11305  
 F-PLACE3000425//Human DNA sequence from clone 231L4 on chromosome Xq27.1-27.3 Contains GSS, STS, complete sequence//1.1e-16:284:70//AL022719  
 F-PLACE3000455//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 469D22, WORKING DRAFT SEQUENCE//3.6e-146:732:96//AL031284  
 5 F-PLACE3000475//HS\_2164\_A2\_H10\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2164 Col=20 Row=O, genomic survey sequence//1.5e-07:159:71//AQ132983  
 F-PLACE3000477//Human DNA sequence from PAC 368A4 on chromosome X. Contains ESTs, CELLULAR NUCLEIC ACID BINDING PROTEIN (CNBP) like gene and STSs//2.9e-11:213:70//Z83843  
 10 F-PLACE4000009//Sequence 93 from patent US 5616500//9.9e-08 :692:60//I39845  
 F-PLACE4000014//Homo sapiens mRNA for KIAA0809 protein, partial cds//1.1e-116:331:100//AB018352  
 F-PLACE4000034//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-69G12, complete sequence//5.0e-05:244:63//AC004131  
 F-PLACE4000049//Homo sapiens Xp22-171-173 BAC GSHB-312I4 (Genome Systems Human BAC Library) complete sequence//1.2e-37:385:74//AC005926  
 15 F-PLACE4000052//M.musculus abcl mRNA//1.5e-110:671:88//X75926  
 F-PLACE4000063  
 F-PLACE4000089//M.musculus BOX DNA for regulatory element and promoter region related to EC cell differentiation//3.7e-12:114:85//X74311  
 20 F-PLACE4000093//CIT-HSP-2380K5.TF CIT-HSP Homo sapiens genomic clone 2380K5, genomic survey sequence//0.11:245:60//AQ108342  
 F-PLACE4000100//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 20208, WORKING DRAFT SEQUENCE//2.9e-19:384:65//AL031848  
 F-PLACE4000106//Homo sapiens mRNA for KIAA0462 protein, partial cds//1.2e-145:684:99//AB007931  
 25 F-PLACE4000128//Mus musculus putative transcription factor mRNA, complete cds//3.7e-62:541:78//AF091234  
 F-PLACE4000129  
 F-PLACE4000131//HS\_3139\_B2\_F12\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3139 Col=24 Row=L, genomic survey sequence//2.3e-14:221:70//AQ183207  
 F-PLACE4000147//Human DNA sequence from clone 740A11 on chromosome Xq22.2-23. Contains part of the COL4A5 gene for Collagen Alpha 5(IV) Chain Precursor. Contains GSSs, complete sequence//0.28:412:58//AL031622  
 30 F-PLACE4000156//Human zinc finger protein ZNF136//7.2e-88:764:76//U09367  
 F-PLACE4000192  
 F-PLACE4000211  
 35 F-PLACE4000222//344J1.TVB CIT978SKA1 Homo sapiens genomic clone A-344J01, genomic survey sequence//1.2e-14:177:76//B17158  
 F-PLACE4000230//Mus musculus semaphorin VIa mRNA, complete cds//9.8e-116:662:89//AF030430  
 F-PLACE4000233//Homo sapiens DNA from chromosome 19, BAC 33152, complete sequence//5.2e-54:363:70//AC003973  
 40 F-PLACE4000247  
 F-PLACE4000250//Homo sapiens Xp22-132-134 BAC GSHB-590J15 (Genome Systems Human BAC library) complete sequence//0.0053:229:65//AC004673  
 F-PLACE4000252  
 F-PLACE4000259//H.sapiens gene for U5 snRNP-specific 200kD protein//2.0e-25:191:87//Z70200  
 45 F-PLACE4000261//Mus musculus bromodomain-containing protein BP75 mRNA, complete cds//2.6e-23:314:71//AF084259  
 F-PLACE4000269//Rattus norvegicus rexo70 mRNA, complete cds//5.5e-122:734:88//AF032667  
 F-PLACE4000270  
 F-PLACE4000300  
 50 F-PLACE4000320//Human FKBP-rapamycin associated protein (FRAP) mRNA, complete cds//1.4e-21:135:96//L34075  
 F-PLACE4000323//HS\_2165\_B1\_B02\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2165 Col=3 Row=D, genomic survey sequence//4.3e-08:170:71//AQ125036  
 F-PLACE4000326//Mouse DNA with homology to EBV IR3 repeat, segment 1, clone Mu2//2.8e-06:311:63//M10296  
 55 F-PLACE4000344//Plasmodium falciparum chromosome 2, section 38 of 73 of the complete sequence//0.014:252:60//AE001401  
 F-PLACE4000367

F-PLACE4000369  
 F-PLACE4000379//CIT-HSP-2350B9.TF CIT-HSP Homo sapiens genomic clone 2350B9, genomic survey sequence.//9.2e-46:282:86//AQ062661  
 F-PLACE4000387//CIT-HSP-2382F11.TR CIT-HSP Homo sapiens genomic clone 2382F11, genomic survey sequence.//0.96:102:70//AQ080649  
 5 F-PLACE4000392//Rattus norvegicus polymorphic marker D20UIA1 sequence.//1.2e-05:222:68//AF054088  
 F-PLACE4000401//Homo sapiens mRNA for KIAA0640 protein, partial cds.//9.6e-46:605:71//AB014540  
 F-PLACE4000411//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 173D1, WORKING DRAFT SEQUENCE.//3.2e-29:179:79//AL031984  
 10 F-PLACE4000431//H.sapiens gene for U5 snRNP-specific 200kD protein.//4.0e-44:263:92//Z70200  
 F-PLACE4000445//HS-1053-B1-D02-MF.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 775 Col=3 Row=H, genomic survey sequence.//0.070:47:100//B41346  
 F-PLACE4000450  
 F-PLACE4000465//Homo sapiens BAC clone RG114B19 from 7q31.1, complete sequence.//2.3e-07:273:65//AC005065  
 15 F-PLACE4000487//Homo sapiens chromosome 17, clone hRPK.156\_L\_14, complete sequence.//4.1e-34:351:70//AC005821  
 F-PLACE4000489//HS\_3012\_B1\_G05\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3012 Col=9 Row=N, genomic survey sequence.//2.0e-36:220:92//AQ095537  
 20 F-PLACE4000494//Homo sapiens 12p13.3 PAC RPCI5-1063M23 (Roswell Park Cancer Institute Human PAC Library) complete sequence.//2.3e-57:395:79//AC005865  
 F-PLACE4000521//Homo sapiens \*\*\* SEQUENCING IN PROGRESS \*\*\* , WORKING DRAFT SEQUENCE.//1.6e-163:770:98//AJ011929  
 F-PLACE4000522//Feline leukemia virus Notch2 gene, clone FeLV/Notch2-C, partial cds.//4.0e-124:686:90//U47645  
 25 F-PLACE4000548  
 F-PLACE4000558//Bothrops atrox batroxobin gene (EC 3.4.21.29).//0.049:435:59//X12747  
 F-PLACE4000581  
 F-PLACE4000590//Homo sapiens chromosome Y, clone 47511, complete sequence.//3.6e-20:747:59//AC004474  
 30 F-PLACE4000593//Caenorhabditis elegans cosmid F25D7, complete sequence.//5.6e-16:326:65//Z78418  
 F-PLACE4000612//Homo sapiens PAC clone DJ0722F20 from 7q31.1-q31.3, complete sequence.//1.7e-163:785:97//AC005281  
 F-PLACE4000638//Homo sapiens clone NH0319F03, WORKING DRAFT SEQUENCE, 3 unordered pieces.//8.7e-74:707:74//AC006039  
 35 F-PLACE4000650  
 F-PLACE4000654//Mus musculus mRNA for ubiquitin conjugating enzyme.//1.1e-145:840:89//Y17267  
 F-PLACE4000670//Sequence 13 from patent US 5712381.//1.0:311:59//I82816  
 F-SKNMC1000011//Gallus gallus bone sialoprotein II mRNA, complete cds.//0.014:92:73//U10577  
 F-SKNMC1000013//Orang-utan involucrin gene, complete cds.//0.021:417:59//M25312  
 40 F-SKNMC1000046//Homo sapiens mRNA for KIAA0654 protein, partial cds.//7.6e-147:706:98//AB014554  
 F-SKNMC1000050//Sequence 5 from patent US 5789181.//1.6e-52:330:90//AR020616  
 F-SKNMC1000091//Human NK homeobox protein (Nkx6.1) gene, exon 1.//0.0018:375:60//U66797  
 F-THYRO1000017//Rattus norvegicus pyridoxine 5'-phosphate oxidase mRNA, complete cds.//6.6e-97:542:84//U91561  
 45 F-THYRO1000026//Human DNA sequence from clone 833B7 on chromosome 22q12.3-13.2 Contains genes for NCF4 (P40PHOX) protein, cytokine receptor common beta chain precursor CSF2RB (partial), ESTs, CA repeat, STS, GSS, complete sequence.//3.5e-46:353:82//AL008637  
 F-THYRO1000034//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 90L6, WORKING DRAFT SEQUENCE.//0.83:227:61//Z97353  
 50 F-THYRO1000035//Human Chromosome X clone bWXD187, complete sequence.//1.2e-39:303:83//AC004383  
 F-THYRO1000040  
 F-THYRO1000070//Homo sapiens chromosome 10 clone CIT987SK-1144G6 map 10q25.1, complete sequence.//1.3e-05:613:58//AC005383  
 F-THYRO1000072//Homo sapiens mRNA for KIAA0657 protein, partial cds.//2.7e-84:722:77//AB014557  
 55 F-THYRO1000085  
 F-THYRO1000092//CIT-HSP-2013L16.TFB CIT-HSP Homo sapiens genomic clone 2013L16, genomic survey sequence.//0.31:186:61//B60606  
 F-THYRO1000107

- F-THYRO1000111//Human genomic DNA sequence from clone 308O1 on chromosome Xp11.3-11.4. Contains EST, CA repeat, STS, GSS, CpG island.//6.4e-110:690:87//Z93403  
F-THYRO1000121//Rattus norvegicus CTD-binding SR-like protein rA8 mRNA, complete cds.//1.4e-127:816:85//U49055
- 5 F-THYRO1000124//H.sapiens CpG island DNA genomic Mse1 fragment, clone 72a7, forward read cpg72a7.ft1a.//9.5e-26:169:94//Z62724  
F-THYRO1000129//Homo sapiens TED protein (TED) mRNA, complete cds.//8.5e-154:732:98//AF087142  
F-THYRO1000132//Homo sapiens chromosome 9q34, clone 63G10, complete sequence.//3.7e-39:315:82//AC002096
- 10 F-THYRO1000156//Human DNA sequence from clone 113J7 on chromosome Xp11.22-11.4. Contains part of a putative Homeobox (pseudo?) gene, ESTs and an STS, complete sequence.//1.2e-21:335:71//AL023574  
F-THYRO1000163//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-A-218C7, complete sequence.//8.4e-52:301:88//AC002331  
F-THYRO1000173//Mouse clathrin-associated protein (AP47) mRNA, complete cds.//4.0e-89:821:74//M62419
- 15 F-THYRO1000186//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 424J12, WORKING DRAFT SEQUENCE.//7.2e-39:293:85//Z82207  
F-THYRO1000187//Clostridium tetani gene for tetanus toxin.//0.041:473:57//X06214  
F-THYRO1000190//Homo sapiens chromosome 17, clone hRPK.332\_H\_18, complete sequence.//0.38:184:64//AC005746
- 20 F-THYRO1000197//Homo sapiens mRNA for poly(A)-specific ribonuclease.//7.5e-174:805:99//AJ005698  
F-THYRO1000199//Homo sapiens mRNA for KIAA0652 protein, complete cds.//1.2e-86:616:84//AB014552  
F-THYRO1000206//HS\_3047\_A1\_A05\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3047 Col=9 Row=A, genomic survey sequence.//0.51:331:63//AQ099134  
F-THYRO1000221//Plasmodium falciparum 3D7 chromosome 12 PFYAC293 genomic sequence, WORKING DRAFT SEQUENCE, 9 unordered pieces.//0.092:738:56//AC004157
- 25 F-THYRO1000241//Gallus gallus genome fragment with pentamer tandem repeats.//0.43:191:62//X00186  
F-THYRO1000242//Human zinc finger gene HZF7.//2.8e-43:534:64//X60156  
F-THYRO1000253//Homo sapiens 3p22 Contig 7 PAC RPCI4-672N11 (Roswell Park Cancer Institute Human PAC Library) complete sequence.//0.95:139:68//AC006055
- 30 F-THYRO1000270  
F-THYRO1000279//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 531H16, WORKING DRAFT SEQUENCE.//1.4e-174:826:98//AL031664  
F-THYRO1000288//Homo sapiens mRNA for Hs Ste24p, complete cds.//3.9e-179:848:98//AB016068  
F-THYRO1000320//Mus musculus sphingosine-1-phosphate lyase mRNA, complete cds.//1.0e-44:331:83//AF036894
- 35 F-THYRO1000327//Homo sapiens autocrine motility factor receptor (AMFR) mRNA, complete cds.//5.7e-112:641:91//L35233  
F-THYRO1000343//Homo sapiens mRNA for KIAA0790 protein, partial cds.//2.2e-162:763:98//AB018333  
F-THYRO1000358//Human selenium-binding protein (hSBP) mRNA, complete cds.//2.2e-32:177:84//U29091
- 40 F-THYRO1000368//Caenorhabditis elegans cosmid W09G3, complete sequence.//0.97:206:60//Z82080  
F-THYRO1000381//Arthrobacter sp. glcI gene for beta-1,3-glucanase, complete cds.//0.27:427:62//D23668  
F-THYRO1000387//Homo sapiens PAC clone DJ1048B16 from 7q34-q36, complete sequence.//9.7e-147:698:98//AC006019  
F-THYRO1000394//HS\_2061\_A2\_C04\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2061 Col=8 Row=E, genomic survey sequence.//1.6e-29:202:91//AQ247672
- 45 F-THYRO1000395//Drosophila melanogaster ring canel protein and ORF2 mRNA, complete cds.//4.3e-15:512:59//L08483  
F-THYRO1000401 3.2e-116:504:80//AF051908  
F-THYRO1000438//Plasmodium falciparum 3D7 chromosome 12 PFYAC492 genomic sequence, WORKING DRAFT SEQUENCE, 5 unordered pieces.//3.4e-09:539:59//AC005308
- 50 F-THYRO1000452//RPCI11-1C19.TVB RPCI-11 Homo sapiens genomic clone RPCI-11-1C19, genomic survey sequence.//0.27:132:64//B49573  
F-THYRO1000471//Homo sapiens PAC clone DJ1136G13 from 7q35-q36, complete sequence.//1.3e-38:332:81//AC005229
- 55 F-THYRO1000484//Homo sapiens BAC378, complete sequence.//2.2e-37:254:76//U85196  
F-THYRO1000488//Homo sapiens chromosome 5p, BAC clone 50g21 (LBNL H154), complete sequence.//6.3e-130:327:97//AC005740  
F-THYRO1000501//H.sapiens Staf50 mRNA.//9.8e-74:615:77//X82200

# EP 1 074 617 A2

- F-THYRO1000502//Human DNA sequence from PAC 436M11 on chromosome Xp22.11-22.2. Contains the serine threonine protein phosphatase gene PPEF1, and the first coding exon of the RS1 gene for retinoschisis (X-linked, juvenile) 1 (XLR1). Contains ESTs, an STS and GSSs, complete sequence.//0.076:380:59//Z94056  
F-THYRO 1000505
- 5 F-THYRO1000558//Human PAC clone 127H14 from 12q, complete sequence.//2.4e-27:412:69//AC002563  
F-THYRO1000569//HS\_2178\_B2\_E03\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2178 Col=6 Row=J, genomic survey sequence.//1.9e-27:326:74//AQ307499  
F-THYRO1000570
- 10 F-THYRO1000585//Homo sapiens protein associated with Myc mRNA, complete cds.//7.4e-167:808:97//AF075587  
F-THYRO1000596//Human Chromosome 16 BAC clone CIT987SK-A-972D3, complete sequence.//0.99:280:61//U91323  
F-THYRO1000602//HS\_3037\_B2\_E04\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3037 Col=8 Row=J, genomic survey sequence.//1.2e-05:109:75//AQ097057
- 15 F-THYRO1000605//Homo sapiens map 2p11.2; 83cM from GATA85A06 repeat region, complete sequence.//1.0:84:70//AF067777  
F-THYRO1000625//Homo sapiens chromosome 19, cosmid R29425, complete sequence.//3.4e-174:820:98//AC005546  
F-THYRO1000637//Human DNA sequence from clone 91J24 on chromosome 6q24 Contains part of utrophin Gene, part of cytochrome C oxidase gene, EST, CpG island, complete sequence.//3.6e-38:289:84//AL024474  
F-THYRO1000641//Plasmodium falciparum MAL3P7, complete sequence.//6.8e-07:540:56//AL034559  
F-THYRO1000658//Homo sapiens chromosome 17, clone hRPK.74\_E\_22, complete sequence.//1.1e-68:468:84//AC005696
- 20 F-THYRO1000662//Arabidopsis thaliana genomic DNA, chromosome 5, TAC clone: K23L20, complete sequence.//0.0072:141:70//AB016874  
F-THYRO1000666//Mus musculus mRNA for motor domain of KIF9, partial cds.//4.7e-58:367:87//AB001437  
F-THYRO1000676//Homo sapiens chromosome 19, cosmid F22676, complete sequence.//1.2e-36:396:71//AC005778  
F-THYRO1000684//Fugu rubripes cosmid 165K09 DNA for GRM7, TRIP, Sand, PRGFR3 genes.//6.6e-13:236:69//AJ010317
- 30 F-THYRO1000699//RPC111-50D4.TK RPC111 Homo sapiens genomic clone R-50D4, genomic survey sequence.//2.7e-09:135:78//AQ052641  
F-THYRO1000712//Homo sapiens BAC clone RG041D11 from 7q21, complete sequence.//5.2e-17:290:67//AC005053  
F-THYRO1000715//Bovine herpesvirus type 1 early-intermediate transcription control protein (BICP4) gene, complete cds.//8.6e-08:517:60//L14320  
F-THYRO1000734//HS\_3233\_B1\_B04\_T7 CIT Approved Human Genomic Sperm Library D-Homo sapiens genomic clone Plate=3233 Col=7 Row=D, genomic survey sequence.//6.0e-72:463:89//AQ182143  
F-THYRO1000748//Homo sapiens KIAA0411 mRNA, complete cds.//9.7e-34:339:74//AB007871
- 40 F-THYRO1000756//M.musculus mRNA for Gal beta1, 3GalNAc alpha2,3-sialyltransferase.//0.00034:349:60//X73523  
F-THYRO1000777//S.griseus strO gene and sts gene cluster.//8.2e-05:625:59//Y08763  
F-THYRO1000783//Xenopus laevis tail-specific thyroid hormone up-regulated (gene 5) mRNA, complete cds.//4.0e-70:860:69//U37373
- 45 F-THYRO1000787//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 366D1, WORKING DRAFT SEQUENCE.//5.3e-09:221:66//Z97986  
F-THYRO1000793  
F-THYRO1000796//Cristatella mucedo clone 5.9 microsatellite sequence.//0.34:173:63//AF085422  
F-THYRO1000805//Homo sapiens Xp21 PAC RPC11-37A12 containing exons 10 to 16 of the Duchenne Muscular Dystrophy gene, complete sequence.//7.8e-43:677:66//AC004468
- 50 F-THYRO1000815//Homo sapiens chromosome 5, Bac clone 189 (LBNL H135), complete sequence.//5.5e-43:405:77//AC005914  
F-THYRO1000829//CIT-HSP-2387C10.TF.1 CIT-HSP Homo sapiens genomic clone 2387C10, genomic survey sequence.//2.0e-20:159:88//AQ240053
- 55 F-THYRO1000843  
F-THYRO1000852//Homo sapiens chromosome 19, cosmid R31855, complete sequence.//1.8e-33:445:72//AC005782  
F-THYRO1000855//Mus musculus potassium channel alpha subunit (Kv9.1) mRNA, complete cds.//0.038:208:

64//AF008573  
 F-THYRO1000865//Homo sapiens PAC clone DJ0283M22 from 14, complete sequence.//1.9e-30:286:74//AC005477  
 F-THYRO1000895//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 385E7, WORKING  
 5 DRAFT SEQUENCE.//2.8e-18:186:80//AL031720  
 F-THYRO1000916//Homo sapiens clone DJ0965K10, WORKING DRAFT SEQUENCE, 6 unordered pieces.//3.6e-78:432:93//AC006015  
 F-THYRO1000926//Homo sapiens cAMP-specific phosphodiesterase 8B (PDE8B) mRNA, partial cds.//9.2e-178:839:98//AF079529  
 10 F-THYRO1000934//Human pyrroline 5-carboxylate reductase mRNA, complete cds.//3.5e-32:759:63//M77836  
 F-THYRO1000951//Homo sapiens Chromosome 11q12 pac pDJ57114, WORKING DRAFT SEQUENCE, 29 unordered pieces.//4.9e-76:224:93//AC004229  
 F-THYRO1000952  
 F-THYRO1000974//HS\_3238\_B2\_F01\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3238 Col=2 Row=L, genomic survey sequence.//12.4e-26:154:96//AQ219846  
 15 F-THYRO1000975//Plasmodium falciparum TopoII gene.//0.32:491:58//X79345  
 F-THYRO1000983//Mvuf9A3 exon amplification products from BACs in Mvuf region Mus musculus genomic, genomic survey sequence.//7.0e-16:112:94//AQ010457  
 F-THYRO1000984//CIT-HSP-2167O17.TR CIT-HSP Homo sapiens genomic clone 2167O17, genomic survey sequence.//0.00015:186:66//B91313  
 20 F-THYRO1000988//Human Chromosome 11q12.2 PAC clone pDJ756b9 containing human ferritin heavy chain mRNA (FTH), WORKING DRAFT SEQUENCE, 19 unordered pieces.//0.024:267:63//AC004588  
 F-THYRO1001003  
 F-THYRO1001031//Homo sapiens chromosome 17, clone hRPC.859\_O\_20, complete sequence.//1.1e-55:543:72//AC003695  
 25 F-THYRO1001033//Methanobacterium thermoautotrophicum from bases 48264 to 58328 (section 5 of 148) of the complete genome.//0.94:445:58//AE000799  
 F-THYRO1001062//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 199H16, WORKING DRAFT SEQUENCE.//4.4e-45:441:75//AL022320  
 30 F-THYRO1001093//Homo sapiens chromosome 9, clone hRPK.202\_H\_3, complete sequence.//4.9e-34:353:76//AC006241  
 F-THYRO1001100//Human DNA-binding protein mRNA, 3'end.//1.1e-72:742:74//L14787  
 F-THYRO1001120//Homo sapiens clone DJ1129E22, WORKING DRAFT SEQUENCE, 7 unordered pieces.//1.2e-76:521:86//AC005522  
 35 F-THYRO1001121//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 671O14, WORKING DRAFT SEQUENCE.//0.00078:594:58//AL031595  
 F-THYRO1001133//Homo sapiens PAC clone DJ1200I23 from 7p15, complete sequence.//4.0e-35:349:76//AC004996  
 F-THYRO1001134//Homo sapiens clone DJ1070G24, WORKING DRAFT SEQUENCE, 12 unordered pieces.//1.0:154:66//AC005486  
 40 F-THYRO1001142//Human DNA sequence from clone B79B4 on chromosome 22 Contains CA repeat and GSS, complete sequence.//1.4e-44:374:80//Z82178  
 F-THYRO1001173  
 F-THYRO1001177//Human pigment epithelium-derived factor gene, complete cds.//1.9e-42:250:86//U29953  
 45 F-THYRO1001189//HS\_3171\_B2\_F10\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3171 Col=20 Row=L, genomic survey sequence.//1.8e-28:246:83//AQ302330  
 F-THYRO1001204//Drosophila melanogaster DNA repair protein (mei-41) gene, complete cds, and TH1 gene, partial cds.//4.9e-39:657:64//U34925  
 F-THYRO1001213//, complete sequence.//1.7e-45:257:84//AC005300  
 50 F-THYRO1001262//Homo sapiens genomic DNA, chromosome 21q11.1, segment 7/28, WORKING DRAFT SEQUENCE.//1.5e-40:274:87//AP000036  
 F-THYRO1001271//Streptomyces coelicolor cosmid 1A6.//0.033:364:61//AL023496  
 F-THYRO1001287//Drosophila melanogaster cosmid clone 86E4.119.6e-49:586:69//AL021086  
 F-THYRO1001290//HS\_2045\_B1\_H09\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2045 Col=17 Row=P, genomic survey sequence.//4.4e-13:156:78//AQ248237  
 55 F-THYRO1001313//S. lavendulae bla gene for beta-lactamase, complete cds.//1.0:229:64//D12693  
 F-THYRO1001320//Homo sapiens Chromosome 22q11.2 PAC Clone p\_n5 In BCRL2-GGT Region, complete sequence.//1.1e-88:672:82//AC002472

# EP 1 074 617 A2

F-THYRO1001321//Human PAC clone DJ527C21 from Xq23, complete sequence//1.2e-115:740:87//AC000114  
 F-THYRO1001322//HS\_3205\_B2\_C12\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3205 Col=24 Row=F, genomic survey sequence//0.00031:285:61//AQ304025  
 F-THYRO1001347//Homo sapiens mRNA for KIAA0745 protein, partial cds//2.2e-43:638:64//AB018288  
 5 F-THYRO1001363//Homo sapiens PAC clone DJ0845I21 from 7q11.21-q11.23, complete sequence//1.0e-09:189:  
 74//AC004905  
 F-THYRO1001365//Homo sapiens chromosome 10 clone CIT987SK-1163G10 map-10q25, complete sequence//  
 7.6e-168:821:97//AC005660  
 F-THYRO1001374//Homo sapiens mRNA for KIAA0707 protein, partial cds//2.3e-155:740:97//AB014607  
 10 F-THYRO1001401//Homo sapiens chromosome 19, cosmid F23149, complete sequence//3.2e-07:138:73//  
 AC005239  
 F-THYRO1001403//Homo sapiens chromosome 12p13.3 clone RPCI3-454B23, WORKING DRAFT SEQUENCE,  
 48 unordered pieces//3.6e-70:360:86//AC005845  
 F-THYRO1001405//Bos taurus mRNA for NDP52, complete cds//2.6e-14:559:63//AB008852  
 15 F-THYRO1001406//Mus musculus putative steroid dehydrogenase (KIK-I) mRNA, complete cds//1.0e-91:631:  
 82//AF064635  
 F-THYRO1001411//Homo sapiens chromosome 19, cosmid F18718, complete sequence//5.5e-42:509:71//  
 AC006126  
 F-THYRO1001426//\*\*\* SEQUENCING IN PROGRESS \*\*\* Homo sapiens genomic DNA (PAC 1118i22) from chro-  
 20 mosome 11; HTGS phase 1, WORKING DRAFT SEQUENCE//2.7e-31:172:81//AJ002553  
 F-THYRO1001434//Human Chromosome 11 pac pDJ393o15, WORKING DRAFT SEQUENCE, 8 unordered piec-  
 es//1.0:98:70//AC000384  
 F-THYRO1001458//Bos taurus non-muscle myosin heavy chain mRNA, partial cds//1.9e-58:653:71//U87265  
 F-THYRO1001480//Homo sapiens clone DJ0756H11, WORKING DRAFT SEQUENCE, 5 unordered pieces//  
 25 7.5e-42:357:80//AC006001  
 F-THYRO1001487//H.sapiens DNA sequence//0.92:160:64//Z22449  
 F-THYRO1001534//Homo sapiens chromosome 17, clone hCIT.468\_F\_23, WORKING DRAFT SEQUENCE, 3  
 unordered pieces//4.8e-47:266:80//AC004666  
 F-THYRO1001537//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 998H6, WORKING  
 30 DRAFT SEQUENCE//1.3e-79:479:89//AL031687  
 F-THYRO1001541//Human DNA sequence from clone 399M14 on chromosome Xq26.1-26.3. Contains ESTs, an  
 STS and GSSs, complete sequence//0.0034:106:77//Z96074  
 F-THYRO1001559//Rattus norvegicus simple sequence repeat D18Mco6//1.6e-09:351:63//AF006056  
 F-THYRO1001570//RPCI11-49B23.TJ RPCI11 Homo sapiens genomic clone R-49B23, genomic survey se-  
 35 quence//1.4e-65:384:91//AQ052105  
 F-THYRO1001573//Homo sapiens clone 24778 unknown mRNA//8.2e-104:546:95//AF070572  
 F-THYRO1001584//CIT-HSP-2365J21.TF CIT-HSP Homo sapiens genomic clone 2365J21, genomic survey se-  
 quence//1.3e-24:180:88//AQ080498  
 F-THYRO1001595//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y313F4, WORKING  
 40 DRAFT SEQUENCE//8.7e-145:779:93//AL023808  
 F-THYRO1001602//Homo sapiens chromosome 17, clone hRPK.786\_O\_4, complete sequence//2.9e-26:393:68//  
 AC005863  
 F-THYRO1001605//Dictyostelium discoideum filopodin (talA) gene, complete cds//0.0012:436:58//U14576  
 F-THYRO1001617//Homo sapiens full-length insert cDNA clone ZD69D05//8.6e-43:342:82//AF086381  
 45 F-THYRO1001637//Homo sapiens clone DJ1019E05, WORKING DRAFT SEQUENCE, 10 unordered pieces//  
 6.2e-15:318:66//AC004950  
 F-THYRO1001656//Homo sapiens PAC clone DJ044L15 from Xq23, complete sequence//1.5e-05:147:68//  
 AC004827  
 F-THYRO1001661  
 50 F-THYRO1001671//Homo sapiens mRNA for 2'-5' oligoadenylate synthetase 59 kDa isoform//2.5e-164:780:98//  
 AJ225089  
 F-THYRO1001673//Homo sapiens clone RG161A02, complete sequence//4.4e-40:770:64//AC005071  
 F-THYRO1001703//S.coelicolor plasmid SCP2 transfer region DNA//0.14:414:59//X72857  
 F-THYRO1001706//Homo sapiens BAC clone RG281B09 from 7q21.1-q31.1, complete sequence//2.6e-43:308:  
 55 75//AC004745  
 F-THYRO1001721//, complete sequence//9.9e-134:770:91//AC005500  
 F-THYRO1001738//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 355C18, WORKING  
 DRAFT SEQUENCE//0.99:163:61//AL022327

F-THYRO1001745  
 F-THYRO1001746  
 F-THYRO1001772//HS\_3069\_B1\_C05\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3069 Col=9 Row=F, genomic survey sequence.//1.5e-61:360:91//AQ171021  
 5 F-THYRO1001793//B.taurus mRNA for beta-subunit of rod photoreceptor CNG-channel.//0.028:446:58//X89626  
 F-THYRO 1001809  
 F-THYRO1001828//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 110F11, WORKING  
 DRAFT SEQUENCE.//1.3e-175:841:98//AL033526  
 F-THYRO1001854//Homo sapiens chromosome 17, clone hCIT54K19, complete sequence.//7.9e-07:445:59//  
 10 AC003664  
 F-THYRO1001895  
 4.4e-13:248:68//AB012576  
 F-THYRO1001907//Homo sapiens BAC clone RG054D04 from 7q31, complete sequence.//2.9e-15:144:77//  
 AC005058  
 15 F-VESEN1000122//HS\_3075\_B1\_C09\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3075 Col=17 Row=F, genomic survey sequence.//1.1e-16:130:90//AQ143749  
 F-Y79AA1000013  
 F-Y79AA1000033//Homo sapiens BAC clone GS114I09 from 7p14-p15, complete sequence.//2.9e-95:300:94//  
 AC006027  
 20 F-Y79AA1000037//Human prot-oncogene (BMI-1) mRNA, complete cds.//2.4e-19:230:66//L13689  
 F-Y79AA1000059//Homo sapiens immunophilin homolog ARA9 mRNA, complete cds.//2.2e-38:629:64//U78521  
 F-Y79AA1000065//Human DNA sequence from cosmid J256K24, between markers DXS6791 and DXS8038 on  
 chromosome X contains EST.//5.3e-10:117:83//Z72005  
 F-Y79AA1000131//Homo sapiens LERK-6 (EPLG6) gene, exon 1.//7.6e-10:381:64//U92893  
 25 F-Y79AA1000181//Human DNA sequence from clone 612B18 on chromosome 1q24-25.3 Contains exon from  
 gene similar to 40S ribosomal protein, first coding exon of dynamin 2 (DYNII). ESTs, STS, GSS, CpG Island,  
 complete sequence.//1.4e-165:732:99//AL031864  
 F-Y79AA1000202//Drosophila melanogaster DNA sequence (P1 DS06882 (D310)), complete sequence.//9.1e-  
 20:339:65//AC005115  
 30 F-Y79AA1000214//Homo sapiens clone DJ0673M15, WORKING DRAFT SEQUENCE, 33 unordered pieces.//  
 3.7e-72:397:93//AC004854  
 F-Y79AA1000230  
 F-Y79AA1000231//Mus musculus SIK similar protein mRNA, complete cds.//8.5e-151:833:90//AF053232  
 F-Y79AA1000258//Leishmania donovani histidine secretory acid phosphatase (SACP-1) gene, complete cds.//  
 35 0.0099:547:58//U78522  
 F-Y79AA1000268//Mus musculus Nip21 mRNA, complete cds.//4.0e-11:424:62//AF035207  
 F-Y79AA1000313  
 F-Y79AA1000328//CIT-HSP-386A20.TF CIT-HSP Homo sapiens genomic clone 386A20, genomic survey se-  
 quence.//5.9e-07:173:69//B55085  
 40 F-Y79AA1000342//RPC111-57J6.TK.1 RPC111 Homo sapiens genomic clone R-57J6, genomic survey sequence.//  
 5.2e-27:151:99//AQ115511  
 F-Y79AA1000346//B.primigenius mRNA for coat protein gamma-cop.//5.7e-69:694:71//X92987  
 F-Y79AA1000349//M.musculus Spnr mRNA for RNA binding protein.//1.8e-98:535:92//X84692  
 F-Y79AA1000355//Homo sapiens clone DJ0847008, WORKING DRAFT SEQUENCE, 3 unordered pieces.//1.6e-  
 45 21:129:85//AC005484  
 F-Y79AA1000368//H.sapiens CpG island DNA genomic Mse1 fragment, clone 12f1, reverse read cpg12f1.rt1c.//  
 0.00016:53:98//Z56610  
 F-Y79AA1000405//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from MAL1P4, WORKING  
 DRAFT SEQUENCE.//0.069:366:59//AL031747  
 50 F-Y79AA1000410//Human DNA sequence from PAC 117P19 on chromosome X.//1.0e-25:235:80//Z86061  
 F-Y79AA1000420//H.sapiens CpG island DNA genomic Mse1 fragment, clone 82c3, forward read cpg82c3.ft1a.//  
 2.0e-36:194:98//Z63378  
 F-Y79AA1000469//Mus musculus ancient ubiquitous 46 kDa protein AUP1 precursor (Aup1) mRNA, complete  
 cds.//8.5e-121:696:89//U41736  
 55 F-Y79AA1000480//HS\_2175\_A2\_H11\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=2175 Col=22 Row=O, genomic survey sequence.//2.5e-26:178:89//AQ307693  
 F-Y79AA1000538//Homo sapiens clone DJ1158B01, WORKING DRAFT SEQUENCE, 23 unordered pieces.//  
 0.67:111:72//AC004980

# EP 1 074 617 A2

F-Y79AA1000539//HS\_2237\_B2\_F10\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2237 Col=20 Row=L, genomic survey sequence//1.2e-14:168:77//AQ153503  
F-Y79AA1000540//Homo sapiens clone DJ0655N24, WORKING DRAFT SEQUENCE, 8 unordered pieces//0.94:127:67//AC005193  
5 F-Y79AA1000560//Mouse mRNA for alpha-adaptin (C)//1.7e-114:776:84//X14972  
F-Y79AA1000574//M.musculus tex23 mRNA (5'region)//1.8e-23:291:75//X80424  
F-Y79AA1000589//Homo sapiens clone 614 unknown mRNA, complete sequence//8.6e-153:755:97//AF091080  
F-Y79AA1000627//Homo sapiens zinc finger protein (ZF5128) mRNA, complete cds//5.2e-135:644:98//AF060503  
F-Y79AA1000705//M.musculus mRNA of enhancer-trap-locus 1//6.9e-148:902:86//X69942  
10 F-Y79AA1000734//Homo sapiens PEX11 beta mRNA for peroxisome assembly factor, complete cds//4.8e-180:850:98//AB018080  
F-Y79AA1000748//Caenorhabditis elegans cosmid F25B5//0.00019:308:60//U23172  
F-Y79AA1000752//Oryctolagus cuniculus mRNA for hnRNP-E1 protein//1.7e-40:513:68//AJ003023  
F-Y79AA1000774  
15 F-Y79AA1000782  
F-Y79AA1000784//Homo sapiens RanBP7/importin 7 mRNA, complete cds//3.5e-177:847:97//AF098799  
F-Y79AA1000794//H.sapiens CpG island DNA genomic Mse1 fragment, clone 45a4, forward read cpg45a4.ft1a//2.5e-13:104:92//Z61120  
F-Y79AA1000800//Homo sapiens GABA-B receptor mRNA, complete cds//0.98:244:60//AF056085  
20 F-Y79AA1000802  
F-Y79AA1000805//Human Chromosome 11 Cosmid cSRL30h11, complete sequence//9.3e-76:528:85//U73642  
F-Y79AA1000824//RPCI11-26B4.TP RPCI-11 Homo sapiens genomic clone RPCI-11-26B4, genomic survey sequence//4.4e-14:99:95//B84538  
F-Y79AA1000827//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1177I5, WORKING  
25 DRAFT SEQUENCE//1.5e-08:249:69//AL022315  
F-Y79AA1000833//Macaca fascicularis mRNA for alpha-tubulin//1.8e-103:603:89//X04757  
F-Y79AA1000850  
F-Y79AA1000962//Human DNA sequence from PAC 360E18 on chromosome X contains EST, CpG island and polymorphic CA repeat//0.038:468:59//Z82203  
30 F-Y79AA1000966//Mus musculus COP9 complex subunit 4 (COPS4) mRNA, complete cds//9.7e-150:865:89//AF071314  
F-Y79AA1000968//Rattus norvegicus initiation factor eIF-2B gamma subunit (eIF-2B gamma) mRNA, complete cds//6.4e-122:717:88//U38253  
F-Y79AA1000969//Mouse chromosome 6 BAC-284H12 (Research Genetics mouse BAC library) complete sequence//1.0:155:63//AC002397  
35 F-Y79AA1000976//Caenorhabditis elegans cosmid F54C1//4.3e-06:130:73//U88165  
F-Y79AA1000985//Mus musculus pericentrin mRNA, complete cds//2.4e-44:428:77//U05823  
F-Y79AA1001023  
F-Y79AA1001041//Human mutY homolog (hMYH) gene, complete cds//2.3e-13:90:100//U63329  
40 F-Y79AA1001048//Human mRNA for very-long-chain acyl-CoA dehydrogenase (VLCAD), complete cds//2.6e-28:772:60//D43682  
F-Y79AA1001061//Homo sapiens chromosome 4 clone B331M8 map 4q25, complete sequence//9.4e-36:292:82//AC004701  
F-Y79AA1001068//tipAL-AS complex: tipA=TipAL-AS [Streptomyces lividans, Genomic, 1146 nt]//0.17:537:59//S64314  
45 F-Y79AA1001077//Zea mays mRNA for aldehyde oxidase-2, complete cds//0.17:231:64//D88452  
F-Y79AA1001078  
F-Y79AA1001105//Zebrafish otx2 mRNA for otx homeoprotein, complete cds//3.1e-63:529:77//D26173  
F-Y79AA1001145//Homo sapiens clone GS166C05, WORKING DRAFT SEQUENCE, 7 unordered pieces//1.3e-23:228:76//AC005015  
50 F-Y79AA1001167  
F-Y79AA1001177//M.musculus mRNA for NfiX1-protein//4.0e-10:398:64//Y07688  
F-Y79AA1001185//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 169I5, WORKING DRAFT SEQUENCE//1.1e-113:666:90//Z93015  
55 F-Y79AA1001211//HS\_3124\_B2\_H08\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3124 Col=16 Row=P, genomic survey sequence//5.5e-12:87:96//AQ187492  
F-Y79AA1001216  
F-Y79AA1001228//Mycobacterium tuberculosis H37Rv complete genome; segment 143/162//0.028:188:67//



AL021841  
 F-Y79AA1001233//Human placental 17-beta-hydroxysteroid dehydrogenase mRNA, complete cds.//3.5e-24:731:60//M36263  
 F-Y79AA1001236//Homo sapiens mRNA for JM23 protein, complete coding sequence (clone IMAGE 34581 and IMAGE 45355 and LLNLc110I133Q7 (RZPD Berlin)).//1.2e-133:441:97//AJ005892  
 5 F-Y79AA1001281//HS\_2241\_B2\_F09\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2241 Col=18 Row=L, genomic survey sequence.//5.0e-27:169:94//AQ217497  
 F-Y79AA1001299//Human Ini1 mRNA, complete cds.//6.7e-115:323:93//U04847  
 F-Y79AA1001312  
 10 F-Y79AA1001323  
 F-Y79AA1001384  
 F-Y79AA1001391//Mus musculus transcription factor HOXA13 (Hoxa13) gene, complete cds.//5.8e-42:245:74//U59322  
 F-Y79AA1001394//Caenorhabditis elegans cosmid F54B3, complete sequence.//7.8e-18:636:58//Z48583  
 15 F-Y79AA1001402//Homo sapiens Chr.14 PAC RPC14-794B2 (Roswell Park Cancer Institute Human PAC Library) complete sequence.//1.2e-110:738:85//AC005924  
 F-Y79AA1001493//H.sapiens DNA sequence.//2.0e-27:254:82//Z22497  
 F-Y79AA1001511//Human DNA sequence from clone 931K24 on chromosome 20p12 Contains ESTs and GSSs, complete sequence.//1.1e-158:804:95//AL034430  
 20 F-Y79AA1001533//Mouse mRNA for RNA polymerase I associated factor (PAF53), complete cds.//1.7e-100:820:78//D14336  
 F-Y79AA1001541//HS\_3197\_A2\_G11\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3197 Col=22 Row=M, genomic survey sequence.//5.1e-28:218:86//AQ150183  
 F-Y79AA1001548//Homo sapiens chromosome 19, cosmid R28738, complete sequence.//5.4e-21:167:86//AC004151  
 25 F-Y79AA1001555//R.norvegicus mRNA for drebrin A.//0.88:463:59//X59267  
 F-Y79AA1001581//FMR1 {CGG repeats} [human, Fragile X syndrome patient, Genomic, 429 nt]//0.00051:252:65//S74494  
 F-Y79AA1001585//Human hypoxanthine phosphoribosyltransferase (HPRT) gene, complete cds.//7.2e-33:375:76//M26434  
 30 F-Y79AA1001594  
 F-Y79AA1001603//Homo sapiens PAC 128M19 derived from chromosome 21q22.3, containing the HMG-14 and CHD5 genes, complete cds, complete sequence.//4.2e-06:338:66//AF064861  
 F-Y79AA1001613//Homo sapiens mRNA for KIAA0683 protein, complete cds.//0.024:520:57//AB014583  
 35 F-Y79AA1001647//Caenorhabditis elegans DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y53F4, WORKING DRAFT SEQUENCE.//0.014:331:61//Z92860  
 F-Y79AA1001665//Human DNA sequence from clone 299D3 on chromosome 22q13.3, complete sequence.//0.99:273:63//Z84468  
 F-Y79AA1001679//O.cuniculus lambda-crystallin mRNA, complete cds.//1.2e-97:682:81//M22743  
 40 F-Y79AA1001692//insulin-like growth factor binding protein-2 [human, placenta, Genomic, 1292 nt, segment 1 of 4]//5.6e-05:426:59//S37712  
 F-Y79AA1001696//Rice endogenous double-stranded RNA encoding polyprotein (containing putative helicase and putative RNA-dependent RNA polymerase domains), complete cds.//1.0:437:60//D32136  
 F-Y79AA1001705//M.musculus fkh-5 gene.//0.18:153:64//X71943  
 45 F-Y79AA1001711//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 328E19, WORKING DRAFT SEQUENCE.//5.4e-76:191:98//AL022240  
 F-Y79AA1001781//Homo sapiens genomic DNA, chromosome 21q22.2 (Down Syndrome region), segment 10/15, WORKING DRAFT SEQUENCE.//0.99:227:63//AP000017  
 F-Y79AA1001805//H.sapiens CpG island DNA genomic MseI fragment, clone 13d12, reverse read  
 50 cpg13d12.rt1c.//2.6e-13:88:100//Z64565  
 F-Y79AA1001827//Oryctolagus cuniculus PiUS mRNA, complete cds.//3.7e-130:775:88//U74297  
 F-Y79AA1001846//CIT-HSP-2300M6.TR CIT-HSP Homo sapiens genomic clone 2300M6, genomic survey sequence.//8.3e-17:218:76//AQ012369  
 F-Y79AA1001848//Human mRNA for KIAA0390 gene, complete cds.//4.2e-10:378:62//AB002388  
 55 F-Y79AA1001866//Rattus norvegicus Cys2/His2 zinc finger protein (rKr1) mRNA, complete cds.//6.9e-41:441:71//U41164  
 F-Y79AA1001874//Homo sapiens hJAG2.del-E6 (JAG2) mRNA, alternatively spliced isoform of Jagged2, complete cds.//0.00017:412:62//AF029779

# EP 1 074 617 A2

F-Y79AA1001875//CTT-HSP-2317G18.TR CIT-HSP Homo sapiens genomic clone 2317G18, genomic survey sequence.//1.9e-09:271:67//AQ042654  
 F-Y79AA1001923//H.sapiens CpG island DNA genomic Mse1 fragment, clone 193c12, forward read cpg193c12.ft1a.//0.0031:108:75//Z60186  
 5 F-Y79AA1001963//CITBI-E1-2510J4.TR CITBI-E1 Homo sapiens genomic clone 2510J4, genomic survey sequence.//1.8e-05:56:100//AQ261184  
 F-Y79AA1002027//Arabidopsis thaliana ubiquitin-conjugating enzyme 17 (UBC17) mRNA, complete cds.//3.3e-13:451:62//AF028340  
 F-Y79AA1002083//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 526I14, WORKING DRAFT SEQUENCE.//0.91:134:65//Z82214  
 10 F-Y79AA1002089  
 F-Y79AA1002093//Mus musculus transcription factor like protein 4 TCFL4 mRNA, partial cds.//1.2e-112:678:88//U43548  
 F-Y79AA1002103//HS\_3052\_B1\_H08\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3052 Col=15 Row=P, genomic survey sequence.//6.5e-18:238:72//AQ135014  
 15 F-Y79AA1002115  
 F-Y79AA1002125//H.sapiens (D8S135) DNA segment containing GT repeat.//1.5e-14:99:96//X61693  
 F-Y79AA1002139//Saccharomyces cerevisiae dnaJ homolog Hlj1p (HLJ1) gene, complete cds.//2.5e-07:208:64//U19358  
 20 F-Y79AA1002204//HS\_2235\_B2\_D12\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2235 Col=24 Row=H, genomic survey sequence.//2.9e-13:89:98//AQ154260  
 F-Y79AA1002208//CIT-HSP-2006M21.TV CIT-HSP Homo sapiens genomic clone 2006M21, genomic survey sequence.//3.7e-27:154:98//B56397  
 F-Y79AA1002209//E.coli tyrS gene coding for tyrosyl-tRNA synthetase.//2.8e-05:143:70//J01719  
 25 F-Y79AA1002210//Homo sapiens chromosome 19, cosmid R28058, complete sequence.//8.3e-22:229:78//AC005615  
 F-Y79AA1002211//Homo sapiens chromosome 17, clone HRPC1067M6, complete sequence.//1.0e-06:241:67//AC003043  
 F-Y79AA1002220//CIT-HSP-2374P23.TR CIT-HSP Homo sapiens genomic clone 2374P23, genomic survey sequence.//1.3e-68:375:95//AQ109738  
 30 F-Y79AA1002229//Human mRNA for KIAA0086 gene, complete cds.//0.12:203:63//D42045  
 F-Y79AA1002234//Homo sapiens mRNA for KIAA0692 protein, partial cds.//1.3e-174:821:98//AB014592  
 F-Y79AA1002246//Homo sapiens clone GS166C05, WORKING DRAFT SEQUENCE, 7 unordered pieces.//0.50:470:60//AC005015  
 35 F-Y79AA1002258//Homo sapiens mRNA for KIAA0655 protein, partial cds.//6.8e-159:748:98//AB014555  
 F-Y79AA1002298//Human density enhanced phosphatase-1 mRNA, complete cds.//0.036:278:62//U10886  
 F-Y79AA1002307//Homo sapiens mRNA for KIAA0634 protein, partial cds.//6.4e-129:622:97//AB014534  
 F-Y79AA1002311//R.norvegicus mRNA for cytosolic resiniferatoxin-binding protein.//2.0e-116:693:82//X67877  
 F-Y79AA1002351//S.clavuligerus pah and cas genes.//1.0:369:58//X84101  
 40 F-Y79AA1002361//Rattus norvegicus mRNA for protein phosphatase 1 (GL-subunit).//5.4e-105:762:80//Y18208  
 F-Y79AA1002399//Homo sapiens chromosome 17, clone hRPK.700\_H\_6, complete sequence.//1.0e-159:411:100//AC005920  
 F-Y79AA1002407//Homo sapiens chromosome 17, clone hRPC.842\_A\_23, complete sequence.//1.1e-118:609:84//AC004662  
 45 F-Y79AA1002416//Mus musculus CTP synthetase homolog (CTPsH) mRNA, complete cds.//4.4e-90:529:88//U49385  
 F-Y79AA1002431//Chlamydomonas reinhardtii novel protein kinase mRNA, complete cds.//1.0:166:66//U36196  
 F-Y79AA1002433//CIT-HSP-384K8.TF CIT-HSP Homo sapiens genomic clone 384K8, genomic survey sequence.//0.24:85:72//B51917  
 50 F-Y79AA1002472//Homo sapiens chromosome 19, BAC CIT-B-393i15 (BC301323), complete sequence.//1.9e-13:242:69//AC006116  
 F-Y79AA1002482//Homo sapiens full-length insert cDNA clone ZC18H06.//1.2e-35:462:71//AF088022  
 F-Y79AA1002487//Bovine herpesvirus type 1 genes for UL[27,28,29,30,31].//0.93:215:60//X94677

## 55 Homology Search Result Data 3.

[0303] The result of the homology search of the GenBank using the clone sequence of 3'-end except EST and STS.  
 [0304] Data include

the name of clone,  
 definition of the top hit data,  
 the P-value: the length of the compared sequence: identity (%), and  
 the Accession No. of the top hit data, as in the order separated by //.

5

[0305] Blank indicates that the 3'-end sequence corresponding to the 5'-end was not determined in the clone.

[0306] Data are not shown for the clones in which the P-value was higher than 1.

10 R-HEMBA1000005//Mouse tumor cell dnaJ-like protein 1 mRNA, complete cds.//3.6e-60:504:78//L16953  
 R-HEMBA1000030//F.rubripes GSS sequence, clone 063K10bD3, genomic survey sequence.//0.28:117:68//  
 Z88864  
 R-HEMBA1000042//RPC111-77G23.TV RPC111 Homo sapiens genomic clone R-77G23, genomic survey se-  
 quence.//1.3e-56:292:97//AQ268240  
 R-HEMBA1000046//Homo sapiens chromosome X map Xq28, complete sequence.//9.8e-56:401:82//U82696  
 15 R-HEMBA1000050//Human cosmid insert containing polymorphic marker DXS455.//0.0010:175:68//L31948  
 R-HEMBA1000076//Homo sapiens clone DJ1021I20, WORKING DRAFT SEQUENCE, 6 unordered pieces.//4.9e-  
 41:364:79//AC005520  
 R-HEMBA1000111//Homo sapiens Xp22 BAC GSHB-519E5 (Genome Systems Human BAC library) complete  
 sequence.//4.7e-30:229:84//AC003684  
 20 R-HEMBA1000129//Homo sapiens chromosome 17, clone HCIT48C15, complete sequence.//2.4e-93:503:93//  
 AC003104  
 R-HEMBA1000141//Homo sapiens mRNA for KIAA0797 protein, partial cds.//6.5e-99:514:94//AB018340  
 R-HEMBA1000150//Homo sapiens clone RG086D03, WORKING DRAFT SEQUENCE, 3 unordered pieces.//2.7e-  
 37:289:83//AC005060  
 25 R-nnnnnnnnnnnn//Homo sapiens scaffold attachment factor B (SAF-B) mRNA, partial cds.//3.1e-21:417:64//  
 L43631  
 R-HEMBA1000158  
 R-nnnnnnnnnnnn  
 R-HEMBA1000180//Plasmodium falciparum encoding Pfg27/25.//0.073:292:56//X84904  
 30 R-HEMBA1000185//Homo sapiens clone DJ0693M11, WORKING DRAFT SEQUENCE, 7 unordered pieces.//  
 5.3e-40:286:85//AC006146  
 R-HEMBA1000193  
 R-HEMBA1000201//Homo sapiens SNF5/INI1 gene, exon 9.//2.0e-24:137:99//Y17126  
 R-HEMBA1000213//Caenorhabditis elegans cosmid C44C8.//0.025:192:68//AF100655  
 35 R-HEMBA1000216//Human Chromosome 16 BAC clone CIT987SK-A-815A9, complete sequence.//2.5e-31:269:  
 79//AF001548  
 R-nnnnnnnnnnnn  
 R-HEMBA1000231//Human DNA sequence from PAC 212P9 on chromosome 1p34.1-1p35. Contains delta opiate  
 receptor, CpG island, CA repeat.//4.3e-24:400:68//AL009181  
 40 R-HEMBA1000243//Homo sapiens chromosome 17, Neurofibromatosis 1 locus, complete sequence.//1.3e-19:  
 319:69//AC004526  
 R-HEMBA1000244  
 R-HEMBA1000251//Meloidogyne hapla mitochondrial COII gene, 3' end of cds; transfer RNA-His gene; 16S ri-  
 bosomal RNA gene; ND3 gene, complete cds; cytochrome b (cytb) gene, 5' end of cds.//0.16:338:60//L76262  
 45 R-HEMBA1000264//Homo sapiens genomic DNA, chromosome 21q22.2 (Down Syndrome region), segment 5/15,  
 WORKING DRAFT SEQUENCE.//0.00093:300:66//AP000012  
 R-nnnnnnnnnnnn//Homo sapiens Xp22 BAC GSHB 526D21 (Genome Systems Human BAC library) complete  
 sequence.//3.5e-10:238:70//AC003037  
 R-HEMBA1000282//Arabidopsis thaliana BAC IG002P16.//0.71:344:60//AF007270  
 50 R-HEMBA1000288//Homo sapiens Xp22 PACs RPC11-263P4 and RPC11-164K3 complete sequence.//4.8e-33:  
 267:82//AC003046  
 R-HEMBA1000290//Homo sapiens chromosome 17, clone HRPC837J1, complete sequence.//2.2e-15:249:69//  
 AC004223  
 R-HEMBA1000302//CIT-HSP-2173N10.TF CIT-HSP Homo sapiens genomic clone 2173N10, genomic survey se-  
 quence.//1.0:215:61//B95105  
 55 R-nnnnnnnnnnnn//Mus musculus Plenty of SH3s (POSH) mRNA, complete cds.//1.0e-77:551:82//AF030131  
 R-nnnnnnnnnnnn//Rattus norvegicus Ca2+-dependent activator protein (CAPS) mRNA, complete cds.//2.0e-96:  
 546:90//U16802

- R-HEMBA1000307//Mus musculus mRNA for CDV-1 protein//3.8e-36:315:68//Y10496  
 R-nnnnnnnnnnn//Plasmodium falciparum 3D7 chromosome 12 PFYAC181 genomic sequence, WORKING DRAFT SEQUENCE, 8 unordered pieces//0.078:379:59//AC005505  
 R-HEMBA1000338//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 620E11, WORKING DRAFT SEQUENCE//2.0e-33:399:72//AL031667  
 5 R-HEMBA1000351//Homo sapiens complete genomic sequence between D16S3070 and D16S3275, containing Familial Mediterranean Fever gene disease//1.7e-39:272:87//AJ003147  
 R-HEMBA1000355//Human primary Alu transcript//0.0045:67:85//U67829  
 R-HEMBA1000357//Homo sapiens (subclone 9\_h8 from PI H16) DNA sequence//8.7e-93:426:88//L42086  
 10 R-HEMBA1000366//Homo sapiens PAC clone DJ0942116 from 7q11, complete sequence//1.7e-12:130:83//AC006012  
 R-HEMBA1000369//Human DNA sequence from clone 1039K5 on chromosome 22q12.3-13.2 Contains gene similar to PICK1 perinuclear binding protein, gene similar to monocarboxylate transporter (MCT3), ESTs, STS, GSS and a CpG island, complete sequence//1.9e-69:355:97//AL031587  
 15 R-HEMBA1000376//Homo sapiens chromosome 19, BAC CIT-B-393i15 (BC301323), complete sequence//3.7e-66:410:89//AC006116  
 R-HEMBA1000387//Homo sapiens chromosome 17, clone HCIT169H9, WORKING DRAFT SEQUENCE, 6 unordered pieces//2.0e-43:363:81//AC002993  
 R-HEMBA1000390//Homo sapiens BAC clone RG041D11 from 7q21, complete sequence//4.6e-23:417:69//AC005053  
 20 R-HEMBA1000392//Human Chromosome 11p14.3 PAC clone pDJ59m18, complete sequence//6.2e-05:174:68//AC004582  
 R-HEMBA1000396//Homo sapiens DNA sequence from PAC 159A15 on chromosome Xp11.21-p11.23. Contains inter-alpha-trypsin inhibitor heavy chain H3 precursor-like protein//1.4e-62:564:77//AL022575  
 25 R-HEMBA1000411  
 R-HEMBA1000418//Liverwort Marchantia polymorpha chloroplast genome DNA//0.94:210:60//X04465  
 R-HEMBA1000422//CIT-HSP-2382A6.TR CIT-HSP Homo sapiens genomic clone 2382A6, genomic survey sequence//4.4e-12:98:92//AQ078233  
 R-HEMBA1000428//Human DNA sequence from clone 393P23 on chromosome Xq21.1-21.33. Contains GSSs, complete sequence//2.0e-93:526:90//Z95400  
 30 R-HEMBA1000434//Homo sapiens clone DJ0309D19, WORKING DRAFT SEQUENCE, 12 unordered pieces//2.7e-07:452:60//AC004826  
 R-HEMBA1000442//E.caballus microsatellite DNA, clone HMB4//0.39:135:62//Y07733  
 R-HEMBA1000456//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 4-52, complete sequence//2.6e-05:174:70//AL010226  
 35 R-HEMBA1000459//Arabidopsis thaliana putative transmembrane protein G1p (AtG1), putative nuclear DNA-binding protein G2p (AtG2), Em1 protein (ATEM1), putative chlorophyll synthetase (AtG4), putative transmembrane protein G5p (AtG5), putative acyl-coA dehydrogenase (AtG6), and calcium dependent protein kinase genes, complete cds; and unknown genes//0.013:212:63//AF049236  
 40 R-HEMBA1000460//Homo sapiens PAC clone DJ0593H12 from 7p31, complete sequence//8.6e-114:556:98//AC004839  
 R-HEMBA1000464//Caenorhabditis elegans cosmid C34B7, complete sequence//0.086:334:61//Z83220  
 R-HEMBA1000469//Homo sapiens BAC clone RG442F18 from 2, complete sequence//1.8e-52:472:79//AC005104  
 45 R-HEMBA1000488//, complete sequence//3.3e-68:200:99//AC005500  
 R-HEMBA1000490//Caenorhabditis elegans cosmid Y53C12B, complete sequence//0.97:233:61//Z99278  
 R-HEMBA1000491  
 R-HEMBA1000504//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 3-64, complete sequence//1.7e-08:440:60//AL009014  
 50 R-HEMBA1000505//Homo sapiens genomic DNA of 8p21.3-p22 anti-oncogene of hepatocellular colorectal and non-small cell lung cancer, segment 1/11//0.37:189:62//AB020858  
 R-HEMBA1000508//Human DNA sequence from cosmid V210E9, between markers DXS366 and DXS87 on chromosome X//1.1e-25:248:80//Z70280  
 R-HEMBA1000518//RPCI11-6022.TV RPCI-11 Homo sapiens genomic clone RPCI-11-6022, genomic survey sequence//0.0035:293:61//B49544  
 55 R-HEMBA1000519  
 R-HEMBA1000520//Arabidopsis thaliana chromosome II BAC F10A12 genomic sequence, complete sequence//0.30:255:63//AC006232

R-HEMBA1000523//Human cleavage stimulation factor 77kDa subunit mRNA, complete cds.//1.2e-53:203:92//U15782  
 R-HEMBA1000531//CIT-HSP-388J17.TR CIT-HSP Homo sapiens genomic clone 388J17, genomic survey sequence.//2.7e-24:137:99//B55638  
 5 R-HEMBA1000540//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 510D11, WORKING DRAFT SEQUENCE.//0.00014:329:60//Z98044  
 R-HEMBA1000545//Homo sapiens Xp22 BAC GS-619J3 (Genome Systems Human BAC library) complete sequence.//6.9e-87:552:87//AC004103  
 R-nnnnnnnnnnnnn//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 134019, WORKING  
 10 DRAFT SEQUENCE.//8.9e-121:584:98//AL034555  
 R-HEMBA1000557//Homo sapiens Chromosome 16 BAC clone CIT987SK-44M2, complete sequence.//5.7e-45:307:87//AC004381  
 R-HEMBA1000561//Mus musculus clone OST20235, genomic survey sequence.//1.3e-43:279:90//AF046762  
 R-HEMBA1000563//Plasmodium falciparum chromosome 2, section 5 of 73 of the complete sequence.//3.8e-05:506:56//AE001368  
 15 R-HEMBA1000568//RPC111-49P8.TK.1 RPC111 Homo sapiens genomic clone R-49P8, genomic survey sequence.//1.7e-101:498:97//AQ116293  
 R-nnnnnnnnnnnnn  
 R-HEMBA1000575//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 754E20, WORKING  
 20 DRAFT SEQUENCE.//1.3e-47:458:75//AL022335  
 R-HEMBA1000588//Mus musculus FLI-LRR associated protein-1 mRNA, complete cds.//2.9e-62:447:81//AF045573  
 R-HEMBA1000591//Homo sapiens mRNA for E1B-55kDa-associated protein.//1.2e-111:591:9411AJ007509  
 R-HEMBA1000592//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 4-10, complete  
 25 sequence.//3.5e-09:421:60//AL010216  
 R-HEMBA1000594//Homo sapiens clone RG004N09, WORKING DRAFT SEQUENCE, 5 unordered pieces.//1.1e-15:421:66//AC005044  
 R-HEMBA1000604//HS\_2220\_A1\_G10\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2220 Col=19 Row=M, genomic survey sequence.//1.0e-51:306:92//AQ151991  
 30 R-HEMBA1000608  
 R-HEMBA1000622//H.sapiens CpG island DNA genomic Mse1 fragment, clone 155e4, reverse read cpg155e4.rt1a.//4.5e-16:105:98//Z56962  
 R-HEMBA1000636//Homo sapiens genomic DNA, chromosome 21q22.2 (Down Syndrome region), segment 1/15, WORKING DRAFT SEQUENCE.//4.8e-62:421:86//AP000008  
 35 R-HEMBA1000637//Homo sapiens mRNA for KIAA0690 protein, partial cds.//1.2e-97:443:97//AB014590  
 R-HEMBA1000655//Homo sapiens chromosome 19, cosmid R26349, complete sequence.//9.8e-61:311:90//AC005953  
 R-HEMBA1000657  
 R-HEMBA1000662  
 40 R-HEMBA1000673//Human DNA sequence from PAC 448E20 on chromosome Xq26.1 contains ESTs and STS.//1.0e-13:351:63//Z97196  
 R-HEMBA1000682//Homo sapiens clone DJ1136G02, WORKING DRAFT SEQUENCE, 4 unordered pieces.//1.2e-50:298:79//AC005377  
 R-HEMBA1000686//HS\_3018\_B1\_H10\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3018 Col=19 Row=P, genomic survey sequence.//0.00048:210:62//AQ093513  
 45 R-HEMBA1000702//Homo sapiens clone DJ241P17, WORKING DRAFT SEQUENCE, 7 unordered pieces.//9.7e-54:317:88//AC005000  
 R-HEMBA1000705//Glossonotus uhivittatus 12S mitochondrial ribosomal RNA, small subunit, mitochondrial gene, partial sequence.//0.080:138:65//U77850  
 50 R-HEMBA1000719//Rattus norvegicus mRNA for TESK1, complete cds.//0.96:291:58//D50864  
 R-HEMBA1000722  
 R-HEMBA1000726//Homo sapiens PAC clone DJ0701016 from 7q33-q36, complete sequence.//4.4e-26:284:77//AC005531  
 R-HEMBA1000727//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 4-89, complete  
 55 sequence.//9.1e-05:351:60//AL010266  
 R-HEMBA1000747//Homo sapiens DNA sequence from PAC 124C6 on chromosome 6q21. Contains genomic marker D6S1603, ESTs, GSSs and a STS with a CA repeat polymorphism, complete sequence.//2.5e-16:123:93//AL021326

# EP 1 074 617 A2

R-HEMBA1000749//Human Chromosome 16 BAC clone CIT987SK-327O24, complete sequence.//2.8e-32:298:79//AC003108

R-HEMBA1000752//Human DNA sequence from PAC 50A13 on chromosome Xp11. Contains ATP SYNTHASE LIPID BINDING PROTEIN P1 (P2, P3) precursor (ATP5G1, ATP5G2, ATP5G3) like pseudogene, ESTs and STSs. Contains polymorphic CA repeat.//2.8e-90:542:90//Z92545

5 R-HEMBA1000769//Homo sapiens P1 clone GSP13996 from 5q12, complete sequence.//2.7e-36:405:75//AC005031

R-HEMBA1000773//HS\_3050\_A2\_B08\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3050 Col=16 Row=C, genomic survey sequence.//0.00053:268:60//AQ105619

10 R-HEMBA1000774//Homo sapiens PAC clone DJ0630C24 from 7q31-q32, complete sequence.//4.7e-46:338:85//AC004690

R-HEMBA1000791//\*\*\*ALU WARNING: Human Alu-Sc subfamily consensus sequence.//5.3e-47:279:91//U14571

R-HEMBA10008177//Sequence 1 from Patent WO 8904839.//0.86:148:67//I09339

R-HEMBA1000822//T.brucei kinetoplast maxicircle variable region DNA.//0.00061:246:61//Z15118

15 R-HEMBA1000827//Homo sapiens Ser/Arg-related nuclear matrix protein (SRM160) mRNA, complete cds.//6.9e-43:228:98//AF048977

R-HEMBA1000843//Homo sapiens DNA sequence from clone 511B24 on chromosome 20q11.2-12. Contains the TOP1 gene for Topoisomerase I, the PLCG1 gene for 1-Phosphatidylinositol-4,5-Bisphosphate Phosphodiesterase Gamma 1 (EC 3.1.4.11, PLC-Gamma-1, Phospholipase C-Gamma-1 PLC-II, PLC-148), the KIAA0395 gene for a probable Zinc Finger Homeobox protein and a 60S Ribosomal Protein L23 LIKE pseudogene. Contains a predicted CpG island, ESTs, STSs and GSSs, complete sequence.//1.7e-41:319:84//AL022394

20 R-HEMBA1000851//Arabidopsis thaliana chromosome I BAC T14N5 genomic sequence, complete sequence.//0.40:168:67//AC004260

R-HEMBA1000852//Homo sapiens Xp22 bins 3-5 PAC RPCI4-617A9 (Roswell Park Cancer Institute Human PAC Library) containing Arylsulfatase D and E genes, complete sequence.//1.5e-112:572:96//AC005295

25 R-HEMBA1000867//Homo sapiens clone DJ0971C03, WORKING DRAFT SEQUENCE, 18 unordered pieces.//0.11:121:71//AC004938

R-HEMBA1000869//Homo sapiens chromosome 16p11.2 BAC clone CIT987SK-A-180G2, WORKING DRAFT SEQUENCE, 5 unordered pieces.//3.2e-22:186:76//AC002042

30 R-HEMBA1000870//Human BAC clone GS542D18 from 7q31-q32, complete sequence.//0.0060:283:63//AC002528

R-HEMBA1000872//Rattus norvegicus polymorphic satellite repetitive elements.//3.8e-05:269:61//M98801

R-HEMBA1000876//Homo sapiens chromosome 12p13.3 clone RPCI1-96H9, WORKING DRAFT SEQUENCE, 66 unordered pieces.//6.5e-38:327:77//AC006057

35 R-HEMBA1000908//CIT-HSP-2373I4.TR CIT-HSP Homo sapiens genomic clone 2373I4, genomic survey sequence.//5.0e-34:221:90//AQ108658

R-HEMBA1000910//T.pigmentosa UM1060 macronuclear rDNA telomeric region 3' term.//0.19:280:61//X04205

R-HEMBA1000918//RPCI11-68E14.TK RPCI11 Homo sapiens genomic clone R-68E14, genomic survey sequence.//1.3e-32:172:100//AQ267293

40 R-HEMBA1000919

R-HEMBA1000934//Homo sapiens DNA sequence from PAC 874C20 on chromosome 6p22.1-22.3. Contains a Zinc Finger Protein ZFP47 LIKE gene, a Zinc Finger Protein pseudogene and a Zinc Finger Protein SRE-ZBP pseudogene. Contains ESTs, STSs and GSSs, complete sequence.//2.6e-18:284:71//AL021997

R-HEMBA1000942//Homo sapiens clone RG350L10, WORKING DRAFT SEQUENCE, 15 unordered pieces.//1.4e-17:217:76//AC005098

45 R-HEMBA1000943//Homo sapiens chromosome 17, clone hRPK.640\_I\_15, complete sequence.//9.0e-113:586:95//AC005324

R-HEMBA1000946//T5N8TFB TAMU Arabidopsis thaliana genomic clone T5N8, genomic survey sequence.//0.030:369:59//B26224

50 R-HEMBA1000960//Homo sapiens clone RG339C12, WORKING DRAFT SEQUENCE, 10 unordered pieces.//2.5e-52:494:77//AC005096

R-HEMBA1000968//Homo sapiens P1 clone 797a11 containing MHC class II DQ-beta (HLA-DQB) and MHC class II DC-alpha (HLA-DCA) genes, complete cds.//3.5e-77:568:83//U92032

R-HEMBA1000971//RPCI11-54D1.TJ RPCI11 Homo sapiens genomic clone R-54D1, genomic survey sequence.//2.3e-27:153:98//AQ081552

55 R-HEMBA1000972//Human DNA sequence from clone 111F4 on chromosome Xq23 Contains GSSs, complete sequence.//7.3e-43:375:79//AL023876

R-HEMBA1000974//Homo sapiens clone DA0091H08, complete sequence.//2.8e-104:521:97//AC004817

R-HEMBA1000975//Human DNA sequence from clone 105D16 on chromosome Xp11.3-11.4 Contains pseudogene similar to laminin-binding protein, CA repeat, STS, complete sequence.//8.0e-22:352:68//AL031311  
 R-HEMBA1000985//Homo sapiens PAC clone DJ0797C05 from 7q31, complete sequence.//8.5e-05:306:63//AC004888  
 5 R-HEMBA1000986//Homo sapiens clone RG031N19, WORKING DRAFT SEQUENCE, 1 unordered pieces.//5.7e-37:296:83//AC005632  
 R-HEMBA1000991//RPCI11-22017.TVB RPCI-11 Homo sapiens genomic clone RPCI-11-22017, genomic survey sequence.//6.5e-44:162:90//AQ008952  
 R-HEMBA1001007  
 10 R-HEMBA1001008//Homo sapiens chromosome 16, P1 clone 79-2A (LANL), complete sequence.//0.082:313:60//AC005365  
 R-HEMBA1001009//O.sativa osr40g2 gene.//0.99:203:62//Y08987  
 R-HEMBA1001017//Homo sapiens mRNA for KIAA0468 protein, complete cds.//1.0e-113:587:95//AB007937  
 R-HEMBA1001019//Bos taurus cyclin-dependent kinase 1 (cdk1/cdc2) mRNA, complete cds.//7.4e-24:215:82//L26547  
 15 R-HEMBA1001020//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 732E4, WORKING DRAFT SEQUENCE.//2.8e-18:449:64//AL008722  
 R-HEMBA1001022  
 R-HEMBA1001024//Homo sapiens BAC clone 393I22 from 8q21, complete sequence.//6.6e-48:536:74//AF070717  
 20 R-HEMBA1001026//T33H14TF TAMU Arabidopsis thaliana genomic clone T33H14, genomic survey sequence.//0.013:180:66//B97363  
 R-nnnnnnnnnnnn//Caenorhabditis elegans cosmid R10H10, complete sequence.//1.2e-25:438:65//Z70686  
 R-HEMBA1001051//Homo sapiens 12q24.1 PAC RPCI3-521E19 (Roswell Park Cancer Institute Human PAC library) complete sequence.//7.3e-38:188:89//AC004217  
 25 R-HEMBA1001052//Rabbit alpha-1-globin gene to theta-1-globin pseudogene region.//2.4e-24:279:74//X04751  
 R-HEMBA1001060//HS\_2056\_B1\_C01\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2056 Col=1 Row=F, genomic survey sequence.//4.1e-14:137:83//AQ245004  
 R-HEMBA1001071//M.musculus COL3A1 gene for collagen alpha-I.//6.9e-38:513:70//X52046  
 30 R-HEMBA1001077//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 150C2, WORKING DRAFT SEQUENCE.//1.9e-22:507:61//AL022318  
 R-HEMBA1001080  
 R-HEMBA1001085//Human Chromosome 15q26.1 PAC clone pDJ290i21 containing fur, fes, and alpha mannosidase Iix genes, WORKING DRAFT SEQUENCE, 9 unordered pieces.//2.2e-43:317:83//AC004586  
 35 R-HEMBA1001088//Caenorhabditis elegans cosmid C18H7.//0.46:301:60//AF067607  
 R-HEMBA1001094//Homo sapiens clone RG491N20, complete sequence.//5.3e-98:501:96//AC005105  
 R-HEMBA1001099  
 R-HEMBA1001109//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 118J21, WORKING DRAFT SEQUENCE.//3.1e-39:335:80//AL033527  
 40 R-HEMBA1001121//Human cosmid LL12NC01-132B11A, ETV6 gene, intron 2.//9.8e-11:122:81//U81833  
 R-HEMBA1001122//Plasmodium falciparum MAL3P6, complete sequence.//0.0024:284:63//Z98551  
 R-HEMBA1001123//Human NFE genomic fragment.//3.6e-26:318:72//M98511  
 R-HEMBA1001133  
 R-HEMBA1001137//Homo sapiens full-length insert cDNA clone ZD29F04.//4.2e-88:426:98//AF086241  
 45 R-HEMBA1001140//Homo sapiens clone RG228D17, WORKING DRAFT SEQUENCE, 2 unordered pieces.//4.0e-41:304:84//AC005077  
 R-HEMBA1001172//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 54B20, WORKING DRAFT SEQUENCE.//3.7e-36:261:85//Z98304  
 R-HEMBA1001174//Plasmodium falciparum chromosome 2, section 35 of 73 of the complete sequence.//1.0:219:58//AE001398  
 50 R-HEMBA1001197  
 R-HEMBA1001208//HS\_2233\_A1\_G10\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2233 Col=19 Row=M, genomic survey sequence.//0.083:174:68//AQ170789  
 R-HEMBA1001226//Homo sapiens clone DJ1136G02, WORKING DRAFT SEQUENCE, 4 unordered pieces.//5.1e-59:553:75//AC005377  
 55 R-HEMBA1001235//RPCI11-50E6.TJ RPCI11 Homo sapiens genomic clone R-50E6, genomic survey sequence.//2.6e-08:97:76//AQ052666  
 R-HEMBA1001247//Caenorhabditis elegans cosmid C01F1.//2.4e-05:319:63//U58761

# EP 1 074 617 A2

R-HEMBA1001257//Rattus norvegicus alpha-methylacyl-CoA racemase mRNA, complete cds.//1.5e-24:439:66//U89905

R-HEMBA1001265//Homo sapiens BAC clone RG139P11 from 7q11-q21, complete sequence.//9.9e-21:537:63//AC004491

5 R-nnnnnnnnnnnn//Homo sapiens chromosome 17, clone HCIT75G16, complete sequence.//0.022:169:65//AC003042

R-HEMBA1001286

R-HEMBA1001289

10 R-HEMBA1001294//HS\_3219\_A2\_G01\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3219 Col=2 Row=M, genomic survey sequence.//0.24:251:63//AQ189882

R-HEMBA1001299//Homo sapiens, clone hRPK.12\_A\_1, complete sequence.//1.3e-38:381:76//AC006222

R-HEMBA1001302//cDNA encoding a human homologue of a mouse novel polypeptide derived from stromal cell.//4.1e-28:114:92//E12258

15 R-HEMBA1001303//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from MAL1P1, WORKING DRAFT SEQUENCE.//0.00011:382:58//AL031744

R-HEMBA1001310

R-HEMBA1001319//Plasmodium falciparum 3D7 chromosome 12 PFYAC1383 genomic sequence, WORKING DRAFT SEQUENCE, 3 unordered pieces.//4.2e-09:491:58//AC005504

R-HEMBA1001323//Drosophila yakuba mitochondrial DNA molecule.//8.3e-06:485:60//X03240

20 R-HEMBA1001326//Homo sapiens DNA sequence from BAC 55C20 on chromosome 6. Contains a Spinal Muscular Atrophy (SMA3) LIKE gene overlapping with a beta-glucuronidase LIKE pseudogene. Contains a membrane protein LIKE pseudogene, a Glyceraldehyde 3-phosphate dehydrogenase (GAPDH) LIKE pseudogene, five predicted tRNA genes. Contains ESTs, GSSs (BAC end sequences) and a CA repeat polymorphism, complete sequence.//2.2e-14:277:69//AL021368

25 R-HEMBA1001327//Human DNA sequence from clone 522P13 on chromosome 6p21.31-22.3. Contains a 60S Ribosomal Protein L21 pseudogene and an HNRNP A3 (Heterogenous Nuclear Riboprotein A3, FBRNP) pseudogene. Contains ESTs, STSs and GSSs, complete sequence.//0.15:360:61//AL024509

R-HEMBA1001330//Homo sapiens 12q24 PAC RPC11-66E7 (Roswell Park Cancer Institute Human PAC library) complete sequence.//1.3e-27:481:67//AC004216

30 R-HEMBA1001351//Homo sapiens chromosome 18, clone hRPK.474\_N\_24, complete sequence.//7.1e-45:252:94//AC006238

R-HEMBA1001361//Homo sapiens chromosome 9, clone hRPK.202\_H\_3, complete sequence.//1.4e-113:569:97//AC006241

R-HEMBA1001375//Homo sapiens full-length insert cDNA clone ZE09H03.//2.8e-89:428:99//AF086542

35 R-HEMBA1001377//Homo sapiens PAC clone DJ0728D04, complete sequence.//2.3e-32:324:77//AC004865

R-HEMBA1001383

R-HEMBA1001387

R-HEMBA1001388//Homo sapiens clone RG189J21, WORKING DRAFT SEQUENCE, 15 unordered pieces.//8.9e-06:108:83//AC005073

40 R-HEMBA1001391//Yeast mitochondrial aapl gene for ATPase subunit 8.//7.3e-08:500:59//X00960

R-HEMBA1001398//Homo sapiens genomic DNA, chromosome 21q11.1, segment 21/28, WORKING DRAFT SEQUENCE.//2.3e-48:315:88//AP000050

R-HEMBA1001405//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 50024, WORKING DRAFT SEQUENCE.//5.5e-35:464:68//AL034380

45 R-HEMBA1001407

R-HEMBA1001411//Yeast (S.cerevisiae) mitochondria Ser-tRNA-UCN gene and flanks.//0.00029:301:62//K01981

R-HEMBA1001413

R-HEMBA1001415//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 410I8, WORKING DRAFT SEQUENCE.//5.6e-101:512:96//AL031732

50 R-HEMBA1001432//Homo sapiens clone DJ0693M11, WORKING DRAFT SEQUENCE, 7 unordered pieces.//6.3e-37:302:81//AC006146

R-HEMBA1001433//Human DNA sequence from PAC 339A18 on chromosome Xp11.2. Contains KIAA0178 gene, similar to mitosis-specific chromosome segregation protein SMC1 of S.cerevisiae, DNA binding protein similar to URE-B1, ESTs and STS.//1.9e-32:242:79//Z97054

55 R-HEMBA1001435//Homo sapiens chromosome 21, Neurofibromatosis 1 (NF1) related locus, complete sequence.//5.7e-59:457:82//AC004527

R-HEMBA1001442//Human DNA sequence from PAC 507I15 on chromosome Xq26.3-27.3. Contains 60S ribosomal protein L44 (L41, L36) like gene, ESTs, STSs and a polymorphic CA repeat.//0.051:276:63//Z98950



R-HEMBA1001446//HS\_3207\_A1\_A08\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3207 Col=15 Row=A, genomic survey sequence.//8.9e-06:119:73//AQ175385  
R-HEMBA1001450//Homo sapiens BAC clone RG114B19 from 7q31.1, complete sequence.//0.0043:266:63//AC005065  
5 R-HEMBA1001454//Homo sapiens PAC clone DJ0673011 from 7q31, complete sequence.//7.1e-25:210:82//AC004855  
R-HEMBA1001455//Homo sapiens chromosome 17, clone hRPK.640\_I\_15, complete sequence.//2.7e-08:316:62//AC005324  
R-HEMBA1001463//Homo sapiens chromosome 17, clone hRPK.1064\_E\_11, complete sequence.//0.57:219:60//AC005208  
10 R-HEMBA1001476//Homo sapiens clone DJ0607J02, WORKING DRAFT SEQUENCE, 12 unordered pieces.//9.3e-50:252:80//AC004840  
R-HEMBA1001478  
R-HEMBA1001497  
15 R-HEMBA1001510//Human HLA class III region containing cAMP response element binding protein-related protein (CREB-RP) and tenascin X (tenascin-X) genes, complete cds, complete sequence.//3.5e-41:282:86//U89337  
R-HEMBA1001515//Human DNA sequence from PAC 238J17 on chromosome 6q22. Contains EST and STS.//1.9e-79:529:86//Z98753  
R-HEMBA1001517//Homo sapiens BAC clone RG459N13 from 7p15, complete sequence.//4.3e-18:335:71//AC004549  
20 R-HEMBA1001522  
R-HEMBA1001526//Human DNA sequence from cosmid 444G9 from a contig from the tip of the short arm of chromosome 16, spanning 2Mb of 16p13.3 Contains ESTs and CpG islands.//5.6e-08:265:67//Z98258  
R-HEMBA1001533//Human DNA sequence from PAC 179M20 on chromosome 20q12-13.1. Contains adenosine deaminase (ADA), placental protein Diff33, CA repeat, ESTs, STS.//7.8e-16:235:72//Z97053  
25 R-HEMBA1001557  
R-HEMBA1001566//Human Chromosome X clone bWDX187, complete sequence.//2.2e-44:416:78//AC004383  
R-HEMBA1001569//Sequence 15 from patent US 5693476.//1.8e-59:389:88//I77040  
R-HEMBA1001570//Homo sapiens PAC clone DJ0844F09 from 7p12-p13, complete sequence.//1.1e-44:316:87//AC004453  
30 R-HEMBA1001579//Plasmodium falciparum 3D7 chromosome 12 PFYAC357 genomic sequence, WORKING DRAFT SEQUENCE, 7 unordered pieces.//0.0047:437:60//AC005506  
R-HEMBA1001581//P.falciparum complete gene map of plastid-like DNA (IR-B).//2.3e-07:491:58//X95276  
R-HEMBA1001585//Caenorhabditis elegans cosmid C06A6.//0.68:224:62//U41012  
35 R-HEMBA1001589  
R-HEMBA1001595//CIT-HSP-2349G19.TF CIT-HSP Homo sapiens genomic clone 2349G19, genomic survey sequence.//8.0e-69:337:99//AQ060483  
R-HEMBA1001608//Homo sapiens chromosome 17, clone HCIT462L7, complete sequence.//9.5e-59:514:78//AC005177  
40 R-HEMBA1001620//S.polyrrhiza mRNA for D-myo-inositol-3-phosphate synthase.//4.5e-12:289:65//Z11693  
R-nnnnnnnnnnnn//HS\_2195\_A1\_E09\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2195 Col=17 Row=I, genomic survey sequence.//5.8e-09:358:58//AQ292688  
R-HEMBA1001636//Human putative potassium channel subunit (h-erg) mRNA, complete cds.//0.77:225:59//U04270  
45 R-HEMBA1001640//Human DNA sequence from PAC 50J22 on chromosome 6p21. Contains ETS related protein TEL like and GS2 like genes, ESTs and an STS.//6.0e-49:404:79//Z84484  
R-nnnnnnnnnnnn  
R-HEMBA1001655//Homo sapiens chromosome 5, BAC clone 194j18 (LBNL H158), complete sequence.//1.1e-103:532:95//AC005368  
50 R-HEMBA1001658//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y313F4, WORKING DRAFT SEQUENCE.//1.0:197:64//AL023808  
R-HEMBA1001661//Homo sapiens chromosome 5p, BAC clone 50g21 (LBNL H154), complete sequence.//1.5e-100:457:93//AC005740  
R-HEMBA1001672//Homo sapiens methyl-CpG binding protein MBD3 (MBD3) mRNA, complete cds.//1.2e-90:496:91//AF072247  
55 R-HEMBA1001675  
R-HEMBA1001678//Homo sapiens voltage dependent anion channel protein mRNA, complete cds.//1.3e-101:534:94//AF038962

# EP 1 074 617 A2

R-HEMBA1001681//CIT-HSP-2345M7.TF CIT-HSP Homo sapiens genomic clone 2345M7, genomic survey sequence.//0.21:124:68//AQ056593

R-HEMBA1001702//Homo sapiens 12q13.1 PAC RPC11-228P16 (Roswell Park Cancer Institute Human PAC Library) complete sequence.//8.3e-06:279:63//AC004801

5 R-HEMBA1001709//Homo sapiens mRNA for KIAA0698 protein, complete cds.//1.9e-96:483:96//AB014598

R-HEMBA1001711//Human HepG2 3' region cDNA, clone hmd2b02.//2.3e-31:169:100//D16886

R-HEMBA1001712//HS-1015-B1-E01-MR.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 790 Col=1 Row=J, genomic survey sequence.//0.0025:200:65//B32577

10 R-HEMBA1001714//Rattus norvegicus mitochondrial ATPase inhibitor gene, complete cds.//6.6e-27:316:75//U12250

R-HEMBA1001718//CIT-HSP-2171J2.TR CIT-HSP Homo sapiens genomic clone 2171J2, genomic survey sequence.//3.1e-41:167:87//B89781

R-HEMBA1001723//Rattus norvegicus EH domain binding protein Epsin mRNA, complete cds.//0.53:275:61//AF018261

15 R-HEMBA1001731//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 322P7, WORKING DRAFT SEQUENCE.//2.9e-48:292:84//AL023799

R-HEMBA1001734//Homo sapiens Chromosome 15q22.3-23 PAC 88m3, WORKING DRAFT SEQUENCE, 2 ordered pieces.//3.2e-33:290:81//AC005959

20 R-HEMBA1001744//Human DNA sequence from clone 134E15 on chromosome 6q21 Contains Blimp-1, apoptosis specific protein similar to yeast APG5 ESTs, GSSs and retroviral sequence, complete sequence.//0.98:203:62//AL022067

R-HEMBA1001745//Homo sapiens BAC clone RG298G08 from 7p15-p21, complete sequence.//0.00019:312:59//AC005084

25 R-HEMBA1001746//Plasmodium falciparum 3D7 chromosome 12 PFYAC812 genomic sequence, WORKING DRAFT SEQUENCE, 8 unordered pieces.//0.045:457:61//AC004153

R-HEMBA1001761//Homo sapiens chromosome X, clone hCIT.200\_L\_4, complete sequence.//3.8e-39:331:80//AC006121

R-HEMBA1001781//Homo sapiens Xp22 BAC GSHB-590J6 (Genome Systems Human BAC library) complete sequence.//0.0062:245:60//AC004554

30 R-HEMBA1001784//Homo sapiens chromosome 5p, BAC clone 50g21 (LBNL H154), complete sequence.//2.1e-22:370:63//AC005740

R-HEMBA1001791//Human DNA sequence from clone 931E15 on chromosome Xq25. Contains STSs, GSSs and genomic marker DXS8098, complete sequence.//3.0e-50:408:80//AL023575

35 R-HEMBA1001800//CIT-HFP-2049N5.TF CIT-HSP Homo sapiens genomic clone 2049N5, genomic survey sequence.//9.0e-37:335:77//AQ009222

R-HEMBA1001803//Plasmodium falciparum 3D7 chromosome 12 PFYAC357 genomic sequence, WORKING DRAFT SEQUENCE, 7 unordered pieces.//0.86:536:56//AC005506

R-nnnnnnnnnnnn/Mouse interleukin 2 receptor (p55 IL-2R) mRNA, 5' end.//2.9e-93:553:89//M21977

40 R-HEMBA1001808//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0500.//2.8e-112:548:98//AB007969

R-HEMBA1001809

R-HEMBA1001815//Homo sapiens Xp22 BAC GS-321G17 (Genome Systems Human BAC library) complete sequence.//2.6e-48:363:84//AC004025

45 R-HEMBA1001819//Homo sapiens \*\*\* SEQUENCING IN PROGRESS \*\*\* from PAC 1577, WORKING DRAFT SEQUENCE.//1.1e-15:275:68//AJ009612

R-HEMBA1001820//HS\_3022\_B1\_A09\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3022 Col=17 Row=B, genomic survey sequence.//0.00054:335:59//AQ165107

R-nnnnnnnnnnnn/Xenopus laevis intersectin mRNA, complete cds.//1.4e-19:533:63//AF032118

50 R-HEMBA1001824//S.clavuligerus linear plasmid pSCL (complete sequence).//0.62:189:65//X54107

R-HEMBA1001835//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 191J18, WORKING DRAFT SEQUENCE.//1.0:450:60//AL024507

R-HEMBA1001844//Human familial Alzheimer's disease (STM2) gene, complete cds.//1.6e-07:170:68//U50871

R-HEMBA1001847

55 R-HEMBA1001861//Homo sapiens mRNA for KIAA0617 protein, complete cds.//3.3e-108:553:96//AB014517

R-HEMBA1001864//Homo sapiens genomic DNA, 21q22.1 region, clone: Q82F5A16, genomic survey sequence.//1.7e-14:245:67//AG002463

R-HEMBA1001866//HS\_2258\_B2\_D01\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2258 Col=2 Row=H, genomic survey sequence.//2.8e-39:397:75//AQ221138

# EP 1 074 617 A2

R-nnnnnnnnnnnn//Homo sapiens BAC clone RG114B19 from 7q31.1, complete sequence.//5.9e-56:303:94//AC005065

R-HEMBA1001888//Homo sapiens Xp22-150 BAC GSHB-309P15 (Genome Systems Human BAC Library) complete sequence.//1.7e-43:281:88//AC006210

5 R-HEMBA1001896

R-HEMBA1001910

R-HEMBA1001912//Homo sapiens chromosome 5, P1 clone 1308e5 (LBNL H13), complete sequence.//0.10:307:61//AC004775

R-HEMBA1001913

10 R-HEMBA1001915//HS\_2037\_A1\_E12\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2037 Col=23 Row=I, genomic survey sequence.//0.071:206:64//AQ233106

R-HEMBA1001918//Homo sapiens chromosome 5, P1 clone 1308e5 (LBNL H13), complete sequence.//0.97:449:59//AC004775

R-HEMBA1001921//Homo sapiens germinal center kinase related protein kinase mRNA, complete cds.//2.0e-105:534:96//AF000145

15 R-HEMBA1001939//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 508115, WORKING DRAFT SEQUENCE.//4.6e-13:120:82//AL021707

R-HEMBA1001940//Homo sapiens clone DJ1093116, WORKING DRAFT SEQUENCE, 5 unordered pieces.//2.2e-36:301:81//AC005629

20 R-HEMBA1001942//Human PAC clone DJ0205E24 from Xq23, complete sequence.//1.9e-10:208:68//AC003013

R-HEMBA1001945//Plasmodium falciparum chromosome 2, section 70 of 73 of the complete sequence.//1.2e-06:393:60//AE001433

R-HEMBA1001950//R.prowazekii genomic DNA fragment (clone A437R).//0.33:122:66//Z82646

R-HEMBA1001960//Borrelia afzelii VS461 outer surface protein D (ospD) gene, complete cds.//0.0086:427:59//U05329

25 R-HEMBA1001962//Homo sapiens chromosome 4 clone B71M12 map 4q25, complete sequence.//4.5e-07:176:70//AC004069

R-HEMBA1001964//HS\_2215\_B1\_H01\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2215 Col=1 Row=P, genomic survey sequence.//7.3e-25:215:74//AQ151931

30 R-HEMBA1001967//Human DNA sequence from clone 341E18 on chromosome 6p11.2-12.3. Contains a Serine/Threonine Protein Kinase gene (presumptive isolog of a Rat gene) and a novel alternatively spliced gene. Contains a putative CpG island, ESTs and GSSs, complete sequence.//1.7e-51:209:95//AL031178

R-HEMBA1001979//CIT-HSP-2387I12.TF.1 CIT-HSP Homo sapiens genomic clone 2387I12, genomic survey sequence.//4.9e-06:153:71//AQ240461

35 R-HEMBA1001987//Human DNA sequence from clone 444C7 on chromosome 6p22.3-23. Contains an EST, an STS and GSSs, complete sequence.//3.1e-46:437:77//AL033521

R-HEMBA1001991//Human DNA sequence from PAC 426I6 on chromosome 1p34.1-1p35. Contains NIPP-1-like gene a nuclear inhibitor of protein phosphatase-1, ESTs, and a CA repeat.//1.1e-48:446:78//AL020997

R-HEMBA1002003//Homo sapiens mRNA for protein phosphatase 2C (beta).//5.1e-90:448:97//AJ005801

40 R-HEMBA1002008//Homo sapiens DNA sequence from PAC 95C20 on chromosome Xp11.3-11.4. Contains STSs and the DXS7 locus with GT and GTG repeat polymorphisms, complete sequence.//3.2e-42:317:84//Z97181

R-HEMBA1002018//HS\_3006\_B1\_D10\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3006 Col=19 Row=H, genomic survey sequence.//1.0:63:74//AQ089717

R-HEMBA1002022//Homo sapiens chromosome 18, clone hRPK.453\_M\_1, complete sequence.//0.93:339:59//AC006203

45 R-HEMBA1002035//Mus musculus chromosome 19, clone CIT282B21, complete sequence.//1.4e-11:285:67//AC003694

R-HEMBA1002039

R-HEMBA1002049//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1177I5, WORKING DRAFT SEQUENCE.//5.3e-52:266:84//AL022315

50 R-HEMBA1002084//CIT-HSP-2357L11.TR CIT-HSP Homo sapiens genomic clone 2357L11, genomic survey sequence.//0.0013:185:66//AQ063078

R-HEMBA1002092//Mus musculus Olf-1/EBF-like-3 transcription factor (O/E-3) mRNA, complete cds.//2.7e-70:479:86//U92703

55 R-HEMBA1002100//Homo sapiens thyroid receptor interactor (TRIP7) mRNA, 3' end of cds.//8.5e-32:206:91//L40357

R-HEMBA1002102//Homo sapiens Chromosome 15q26.1 PAC clone pDJ427d15, complete sequence.//4.3e-42:302:85//AC005800

# EP 1 074 617 A2

R-HEMBA1002113//Human chromosome 12p13 sequence, complete sequence.//1.6e-64:550:80//U47924  
 R-HEMBA1002119//Human Chromosome 11 pac pDJ1173a5, complete sequence.//1.2e-92:435:92//AC000378  
 R-HEMBA1002125  
 R-HEMBA1002139//Human nebulin mRNA, partial cds.//0.056:68:88//U35637  
 5 R-HEMBA1002144//Homo sapiens Chromosome 11p14.3 PAC clone 6-130a9 containing tryptophan hydroxylase  
 gene, complete sequence.//2.0e-26:323:70//AC005728  
 R-HEMBA1002150//Human DNA sequence from clone 742C19 on chromosome 22q12.3-13.1. Contains a pseu-  
 dogene similar to Cytochrome C Oxidase Polypeptide VB and (parts of) up to four novel genes, two with homology  
 to Phorbolins and one a novel Chromobox protein gene. Contains ESTs, an STS, GSSs and putative CpG  
 10 islands, complete sequence.//1.0:371:61//AL031846  
 R-HEMBA1002151  
 R-HEMBA1002153//Human BAC 367D17 from chromosome 18, complete sequence.//2.4e-21:322:70//AC003971  
 R-HEMBA1002160//Human DNA sequence from PAC 339A18 on chromosome Xp11.2. Contains KIAA0178 gene,  
 similar to mitosis-specific chromosome segregation protein SMC1 of *S.cerevisiae*, DNA binding protein similar to  
 15 URE-B1, ESTs and STS.//2.5e-38:216:84//Z97054  
 R-HEMBA1002161//CIT-HSP-2163F10.TF CIT-HSP Homo sapiens genomic clone 2163F10, genomic survey se-  
 quence.//3.1e-58:284:80//B89969  
 R-HEMBA1002162//Caenorhabditis elegans cosmid F48C11, complete sequence.//0.0079:286:57//Z80789  
 R-HEMBA1002166//Homo sapiens Xp22 BAC 620F15 (Genome Systems BAC library) complete sequence.//5.9e-  
 20 53:326:80//AC002980  
 R-HEMBA1002177  
 R-HEMBA1002185//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 745114, WORKING  
 DRAFT SEQUENCE.//9.5e-37:356:76//AL033532  
 R-HEMBA1002189//Homo sapiens Xp22 BAC GSHB-519E5 (Genome Systems Human BAC library) complete  
 25 sequence.//3.4e-43:244:77//AC003684  
 R-HEMBA1002191//Homo sapiens clone RG228D17, WORKING DRAFT SEQUENCE, 2 unordered pieces.//4.3e-  
 37:323:78//AC005077  
 R-HEMBA1002199//Human Cosmid g5129g124 from 7q31.3, complete sequence.//1.4e-89:564:87//AC002498  
 R-HEMBA1002204//Homo sapiens Chromosome 22q11.2 Cosmid Clone 817g In IGLC Region, complete se-  
 30 quence.//1.5e-31:313:71//AC000053  
 R-HEMBA1002212//K.lactis mitochondrial COX1 and A8 genes for cytochrome oxidase subunit I and ATPase  
 subunit 8.//0.0023:346:60//X57546  
 R-HEMBA1002215//M.musculus mRNA for testin.//4.7e-61:414:84//X78989  
 R-HEMBA1002226//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 2705, WORKING  
 35 DRAFT SEQUENCE.//4.6e-46:375:77//AL033529  
 R-HEMBA1002229//Homo sapiens growth suppressor related (DOC-1R) mRNA, complete cds.//4.6e-46:238:98//  
 AF089814  
 R-HEMBA1002237//Homo sapiens 12q13 PAC RPC1-316M24 (Roswell Park Cancer Institute Human PAC library)  
 complete sequence.//4.3e-26:469:67//AC004242  
 40 R-HEMBA1002253//Homo sapiens BAC clone GS180J15 from 7q31, complete sequence.//5.1e-23:162:82//  
 AC005016  
 R-HEMBA1002257  
 R-HEMBA1002267//Equus caballus dermatan sulfate proteoglycan II mRNA, complete cds.//4.6e-44:300:88//  
 AF03 8127  
 45 R-HEMBA1002270//Human BAC clone RG067M09 from 7q21-7q22, complete sequence.//1.9e-19:176:85//  
 AC000057  
 R-HEMBA1002321  
 R-HEMBA1002328//HS\_3061\_A1\_D06\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3061 Col=11 Row=G, genomic survey sequence.//1.0:151:65//AQ127617  
 50 R-HEMBA1002337//Saccharomyces cerevisiae RNA polymerase II holoenzyme component (SRB7) gene, com-  
 plete cds.//3.7e-07:328:63//U23811  
 R-HEMBA1002341//Homo sapiens mRNA for KIAA0771 protein, partial cds.//2.4e-128:642:96//AB018314  
 R-HEMBA1002348//Human DNA sequence from clone 409O10 on chromosome 20q12 Contains CA repeat, GSS,  
 STS, complete sequence.//3.7e-07:587:58//AL031256  
 55 R-HEMBA1002349//Leishmania tarentolae maxicircle DNA fragment.//0.018:341:58//X02438  
 R-nnnnnnnnnnnn//Homo sapiens chromosome-associated protein-E (hCAP-E) mRNA, complete cds.//1.2e-121:  
 661:93//AF092563  
 R-HEMBA1002381//Homo sapiens genomic DNA of 8p21.3-p22 anti-oncogene of hepatocellular colorectal and

# EP 1 074 617 A2

non-small cell lung cancer, segment 11/11 //1.1e-70:559:79//AB020868  
R-HEMBA1002389//HS\_3218\_B2\_E08\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
nomic clone Plate=3218 Col=16 Row=J, genomic survey sequence.//0.0011:122:72//AQ213602  
R-HEMBA1002417//Homo sapiens chromosome 19, cosmid R28784, complete sequence.//4.2e-81:232:97//  
5 AC005954  
R-HEMBA1002419//Homo sapiens PAC clone DJ0649P17 from 7q11.23-q21, complete sequence.//0.50:231:64//  
AC004848  
R-HEMBA1002430//P.falciparum complete gene map of plastid-like DNA (IR-B)//0.0023:604:56//X95276  
R-HEMBA1002439//Homo sapiens clone GS096J14, WORKING DRAFT SEQUENCE, 3 unordered pieces.//3.4e-  
10 23:183:80//AC006026  
R-HEMBA1002458//Human DNA sequence from clone 146H21 on chromosome Xq22 Contains cleavage stimu-  
lation factor, 64 KD subunit, gene similar to CYTOCHROME B-245 HEAVY CHAIN. pseudogene similar to hnRNP  
A1 protein and ESTs, complete sequence.//7.7e-32:161:83//Z83819  
R-HEMBA1002460//Homo sapiens clone DJ1137M13, complete sequence.//2.6e-100:305:100//AC005378  
15 R-HEMBA1002462//Sequence 43 from patent US 5708157.//2.0e-10:131:77//I80068  
R-nnnnnnnnnnnnn  
R-HEMBA1002477//Homo sapiens PAC clone DJ0607J23 from 7q21.2-q31.1, complete sequence.//6.6e-33:279:  
80//AC004841  
R-HEMBA1002486//\*\*\*ALU WARNING: Human Alu-Sq subfamily consensus sequence.//2.1e-50:290:92//U14573  
20 R-HEMBA1002495//CITBI-E1-2515J10. TR CITBI-E1 Homo sapiens genomic clone 2515J10, genomic survey se-  
quence.//1.0:122:68//AQ261762  
R-HEMBA1002498//Homo sapiens clone DJ1102A12, WORKING DRAFT SEQUENCE, 15 unordered pieces.//  
2.8e-22:210:78//AC004963  
R-HEMBA1002503//Homo sapiens chromosome 17, clone HRPC1067M6, complete sequence.//2.7e-17:435:58//  
25 AC003043  
R-HEMBA1002508//Homo sapiens, clone hRPK.15\_A\_1, complete sequence.//3.7e-09:408:61//AC006213  
R-nnnnnnnnnnnnn//Homo sapiens mRNA for histone deacetylase-like protein (JM21).//7.1e-112:456:92//AJ011972  
R-HEMBA1002515  
R-HEMBA1002538//Homo sapiens mRNA for KIAA0454 protein, partial cds.//1.6e-104:564:93//AB007923  
30 R-HEMBA1002542//HS\_3197\_B2\_B10\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
nomic clone Plate=3197 Col=20 Row=D, genomic survey sequence.//2.8e-25:186:86//AQ188792  
R-HEMBA1002547//Mus musculus agrin gene, exon 36.//0.0095:93:75//M92658  
R-HEMBA1002552//Homo sapiens clone DJ1137M13, complete sequence.//4.0e-49:308:90//AC005378  
R-HEMBA1002555//Homo sapiens full-length insert cDNA clone YR87G10.//8.3e-65:318:99//AF085957  
35 R-HEMBA1002558//, complete sequence.//2.3e-38:264:89//AC005409  
R-HEMBA1002561//Human DNA sequence from clone 396D17 on chromosome 1p33-35.3 Contains EST, STS,  
GSS, complete sequence.//7.1e-44:192:80//AL008634  
R-nnnnnnnnnnnnn//Homo sapiens protein associated with Myc mRNA, complete cds.//4.5e-119:587:97//AF075587  
R-HEMBA1002583  
40 R-HEMBA1002590//Homo sapiens DNA sequence from PAC 179N16 on chromosome 6p21.1-21.33. Contains  
the SAPK4 (MAPK p38delta) gene, and the alternatively spliced SAPK2 gene coding for CSaids binding protein  
CSBP2 and a MAPK p38beta LIKE protein. Contains ESTs, STSs and two predicted CpG islands, complete se-  
quence.//9.4e-42:248:88//Z95152  
R-HEMBA1002592//Homo sapiens chromosome 19, cosmid R30385, complete sequence.//2.6e-56:302:84//  
45 AC004510  
R-HEMBA1002621  
R-HEMBA1002624//Homo sapiens mRNA for KIAA0808 protein, complete cds.//6.7e-76:380:97//AB018351  
R-HEMBA1002628//P.falciparum complete gene map of plastid-like DNA (IR-A)//8.8e-05:327:60//X95275  
R-HEMBA1002629//Mus musculus clone OST16705, genomic survey sequence.//4.3e-06:205:66//AF046247  
50 R-HEMBA1002645//\*\*\*ALU WARNING: Human Alu-J subfamily consensus sequence.//7.1e-39:281:84//U14567  
R-HEMBA1002651//Homo sapiens PAC clone DJ0593H12 from 7p31, complete sequence.//1.1e-104:500:95//  
AC004839  
R-HEMBA1002659//Human DNA sequence from clone 243E7 on chromosome 22q12.1. Contains ESTs, STSs  
and GSSs, complete sequence.//1.2e-61:280:92//AL022323  
55 R-HEMBA1002661//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 225E12, WORKING  
DRAFT SEQUENCE.//3.2e-41:325:81//AL031772  
R-HEMBA1002666//Homo sapiens full-length insert cDNA clone YY74A07.//0.00037:79:84//AF088008  
R-HEMBA1002678//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1137F22, WORK-

# EP 1 074 617 A2

ING DRAFT SEQUENCE//2.3e-107:561:94//AL034421  
R-nnnnnnnnnnnnn//CIT-HSP-2287E8.TF CIT-HSP Homo sapiens genomic clone 2287E8, genomic survey se-  
quence//5.4e-17:137:88//B99281  
5 R-HEMBA1002688//Homo sapiens chromosome 5, P1 clone 1354A7 (LBNL H47), complete sequence//0.033:  
146:70//AC004503  
R-HEMBA1002696  
R-HEMBA1002712//Homo sapiens PAC clone 166H1 from 12q, complete sequence//6.2e-44:302:87//AC003982  
R-HEMBA1002716//Mus musculus mRNA for ELM1, complete cds//1.1e-31:332:76//AB004873  
R-HEMBA1002728//Homo sapiens mRNA for KIAA0621 protein, partial cds//1.2e-35:287:81//AB014521  
10 R-HEMBA1002730//D.discoideum actin M6 gene, 5' flank//0.018:233:66//M29109  
R-HEMBA1002742//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1108H3, WORKING  
DRAFT SEQUENCE//2.6e-13:419:62//AL033525  
R-HEMBA1002746//Mus musculus chromosome 19, clone CIT282B21, complete sequence//0.019:202:65//  
AC003694  
15 R-HEMBA1002748//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 404K8, WORKING  
DRAFT SEQUENCE//0.046:263:60//AL023883  
R-HEMBA1002750//Human DNA sequence from PAC 452H17 on chromosome X contains sodium-and chloride-  
dependent glycine transporter 1 (GLYT-1) like, ESTs//0.052:421:58//Z96810  
R-HEMBA1002768//Homo sapiens mRNA for KIAA0554 protein, partial cds//1.2e-104:545:95//AB011126  
20 R-HEMBA1002770//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-420 genomic sequence, WORKING  
DRAFT SEQUENCE, 14 unordered pieces//3.0e-07:523:59//AC005140  
R-HEMBA1002777  
R-HEMBA1002779//Human HepG2 3' region Mbol cDNA, clone hmd1e03m3//9.4e-25:158:93//D17139  
R-HEMBA1002780//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y214H10, WORK-  
25 ING DRAFT SEQUENCE//1.6e-42:463:75//AL022344  
R-HEMBA1002794//Plasmodium falciparum MAL3P8, complete sequence//2.2e-05:417:59//AL034560  
R-HEMBA1002801//Meloidogyne javanica mitochondrial transfer RNA His, 16S ribosomal RNA (16S rRNA) genes,  
ND3 gene, complete cds, and cytochrome b gene, 5' end of CDS//0.00055:444:59//L76261  
R-HEMBA1002810//Homo sapiens formin binding protein 21 mRNA, complete cds//4.4e-115:559:97//AF071185  
30 R-HEMBA1002816//Homo sapiens clone NH0576N21, WORKING DRAFT SEQUENCE, 5 unordered pieces//  
4.3e-88:329:94//AC005043  
R-HEMBA1002826//Homo sapiens genomic DNA, chromosome 21q11.1, segment 12/28, WORKING DRAFT SE-  
QUENCE//1.9e-22:262:67//AP000041  
R-HEMBA1002833//Homo sapiens chromosome 17, clone hRPC.117\_B\_12, complete sequence//1.3e-79:396:  
35 97//AC004707  
R-HEMBA1002850//Plasmodium falciparum 3D7 chromosome 12 PFYAC357 genomic sequence, WORKING  
DRAFT SEQUENCE, 7 unordered pieces//0.013:393:61//AC005506  
R-HEMBA1002863//Homo sapiens chromosome 17, clone hRPK.271\_K\_11, complete sequence//4.1e-73:489:  
85//AC005562  
40 R-HEMBA1002876//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from MAL4P1, WORK-  
ING DRAFT SEQUENCE//0.21:549:55//AL034557  
R-HEMBA1002886//CIT-HSP-2013C4.TR CIT-HSP Homo sapiens genomic clone 2013C4, genomic survey se-  
quence//0.30:431:56//B53836  
R-HEMBA1002896//Homo sapiens SH3-containing adaptor molecule-1 mRNA, complete cds//3.9e-106:541:95//  
45 AF037261  
R-HEMBA1002921  
R-HEMBA1002924//Homo sapiens genomic DNA of 9q32 anti-oncogene of flat epithelium cancer, segment 7/10//  
4.6e-19:139:78//AB020875  
R-HEMBA1002934//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 862K6, WORKING  
50 DRAFT SEQUENCE//7.5e-45:282:89//AL031681  
R-HEMBA1002935//CIT-HSP-2282P14.TFB CIT-HSP Homo sapiens genomic clone 2282P14, genomic survey  
sequence//1.5e-102:514:97//AQ008584  
R-HEMBA1002937//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 745114, WORKING  
DRAFT SEQUENCE//3.3e-87:444:97//AL033532  
55 R-HEMBA1002939  
R-HEMBA1002944//HS\_3107\_A1\_C05\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
nomic clone Plate=3107 Col=9 Row=E, genomic survey sequence//6.3e-21:250:73//AQ103952  
R-HEMBA1002951//Xerolycosa miniata mitochondrial 12S rRNA gene//0.013:228:63//AJ008020

- R-HEMBA1002954//HS\_3246\_A2\_G09\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3246 Col=18 Row=M, genomic survey sequence.//5.8e-42:258:91//AQ218005
- R-HEMBA1002968//Homo sapiens chromosome 17, clone hRPK.112\_J\_9, complete sequence.//4.2e-38:300:83//AC005553
- 5 R-HEMBA1002970//Slime mold (D.discoideum) prestalk D11 gene, complete cds.//5.0e-05:541:57//M11012
- R-HEMBA1002971//Homo sapiens mRNA for KIAA0679 protein, partial cds.//7.2e-29:162:99//AB014579
- R-HEMBA1002973//Homo sapiens chromosome 19, cosmid F20900, complete sequence.//9.1e-36:520:69//AC006128
- 10 R-nnnnnnnnnnnn//Homo Sapiens Chromosome X clone bWXD691, complete sequence.//0.00040:504:59//AC004386
- R-HEMBA1002999//Rattus norvegicus lamina-associated polypeptide 1C (LAP1C) mRNA, complete cds.//3.7e-66:556:79//U19614
- R-HEMBA1003021//Human Chromosome 11 overlapping pacs pDJ235k10 and pDJ239b22, WORKING DRAFT SEQUENCE, 17 unordered pieces.//1.6e-44:530:70//AC000406
- 15 R-HEMBA1003033//Homo sapiens full-length insert cDNA clone ZC34B10.//4.6e-78:414:94//AF086194
- R-HEMBA1003034//Homo sapiens chromosome 19, cosmid R29351, complete sequence.//9.0e-52:322:75//AC004026
- R-HEMBA1003035//HS\_2008\_A2\_G08\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2008 Col=16 Row=M, genomic survey sequence.//4.0e-68:343:97//AQ269839
- 20 R-HEMBA1003037//347G15.TVB CIT978SKA1 Homo sapiens genomic clone A-347G15, genomic survey sequence.//0.57:188:58//B17694
- R-HEMBA1003041//Homo sapiens PAC clone DJ1163J12 from 7q21.2-q31.1, complete sequence.//6.3e-30:350:72//AC004983
- R-HEMBA1003046//Homo sapiens mitochondrial processing peptidase beta-subunit mRNA, complete cds.//4.1e-118:578:97//AF054182
- 25 R-HEMBA1003064//Human cosmid LL12NC01-N-136B11, located centromeric to the ETV6 gene, chromosome 12p12-13.//0.0018:271:60//U59962
- R-HEMBA1003067//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 633019, WORKING DRAFT SEQUENCE.//5.3e-48:464:76//AL022302
- 30 R-HEMBA1003071//CIT-HSP-2370D6.TR CIT-HSP Homo sapiens genomic clone 2370D6, genomic survey sequence.//0.19:48:87//AQ110136
- R-HEMBA1003077//Rattus norvegicus Shal-related potassium channel Kv4.3 mRNA, complete cds.//4.9e-69:494:84//U42975
- R-HEMBA1003078//Human DNA sequence from PAC 339A18 on chromosome Xp11.2. Contains KIAA0178 gene, similar to mitosis-specific chromosome segregation protein SMC1 of S.cerevisiae, DNA binding protein similar to URE-B1, ESTs and STS.//1.1e-11:331:64//Z97054
- 35 R-HEMBA1003079//Homo sapiens Xp22-132-134 BAC GSHB-590J15 (Genome Systems Human BAC library) complete sequence.//4.6e-116:576:98//AC004673
- R-HEMBA1003083//\*\*\* SEQUENCING IN PROGRESS \*\*\* Homo sapiens chromosome 4, BAC clone C0442P12; HTGS phase 1, WORKING DRAFT SEQUENCE, 5 unordered pieces.//3.1e-43:280:83//AC005798
- 40 R-HEMBA1003086//Homo sapiens clone NH0319F03, WORKING DRAFT SEQUENCE, 3-unordered pieces.//1.2e-43:281:88//AC006039
- R-HEMBA1003096//Human DNA sequence from clone J506G21, WORKING DRAFT SEQUENCE.//0.00037:421:59//Z82213
- 45 R-HEMBA1003098//\*\*\* SEQUENCING IN PROGRESS \*\*\* Homo sapiens chromosome 4, BAC clone C0024K08; HTGS phase 1, WORKING DRAFT SEQUENCE, 5 unordered pieces.//1.4e-30:303:78//AC005598
- R-HEMBA1003117
- R-HEMBA1003129//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 407F11, WORKING DRAFT SEQUENCE.//7.9e-11:109:85//AL022329
- 50 R-HEMBA1003133//Homo sapiens chromosome 9, P1 clone 11659, complete sequence.//3.9e-99:484:98//AC004472
- R-HEMBA1003136//CIT-HSP-2281L22.TF CIT-HSP Homo sapiens genomic clone 2281L22, genomic survey sequence.//2.0e-10:93:92//B99861
- R-HEMBA1003142//Homo sapiens 12q24.2 PAC RPC11-128M12 (Roswell Park Cancer Institute Human PAC library) complete sequence.//9.8e-40:270:87//AC004024
- 55 R-HEMBA1003148//Homo sapiens mRNA for dachshund protein.//1.1e-116:586:96//AJ005670
- R-HEMBA1003166//Human DNA sequence from PAC 306D1 on chromosome X contains ESTs.//6.4e-35:364:70//Z83822

- R-HEMBA1003175//Human IFNAR gene for interferon alpha/beta receptor//1.9e-30:282:77//X60459  
 R-HEMBA1003197  
 R-HEMBA1003199//HS\_2166\_A1\_E12\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2166 Col=23 Row=I, genomic survey sequence//0.00026:271:61//AQ164162  
 5 R-HEMBA1003202//Homo sapiens clone DJ0592G07, WORKING DRAFT SEQUENCE, 3 unordered pieces//5.4e-44:291:83//AC005480  
 R-HEMBA1003204//Human BAC clone RG072E11 from 7q21-7q22, complete sequence//3.1e-10:293:62//AC000118  
 10 R-HEMBA1003212//Homo sapiens clone DJ0902E20, WORKING DRAFT SEQUENCE, 1 unordered pieces//1.0:118:69//AC006148  
 R-HEMBA1003220//HS\_3092\_B1\_F09\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3092 Col=17 Row=L, genomic survey sequence//0:00014:59:91//AQ128202  
 R-HEMBA1003222//Caenorhabditis elegans DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y43F8, WORKING DRAFT SEQUENCE//0.84:214:62//Z95393  
 15 R-HEMBA1003229//RPCI11-16F15.TPB RPCI-11 Homo sapiens genomic clone RPCI-11-16F15, genomic survey sequence//0.42:167:64//B83610  
 R-HEMBA1003235//CIT-HSP-2320G19.TF CIT-HSP Homo sapiens genomic clone 2320G19, genomic survey sequence//3.6e-36:195:81//AQ037231  
 20 R-HEMBA1003250//HS\_2168\_A2\_C09\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2168 Col=18 Row=E, genomic survey sequence//1.4e-22:158:89//AQ125356  
 R-HEMBA1003257//Human PCP4 gene, exon 3 and complete cds//0.96:268:61//U53709  
 R-HEMBA1003273//Homo sapiens Xp22 BAC GS-377014 (Genome Systems Human BAC library) complete sequence//1.0e-32:255:84//AC002549  
 25 R-HEMBA1003276//Plasmodium falciparum 3D7 chromosome 12 PFYAC492 genomic sequence, WORKING DRAFT SEQUENCE, 5 unordered pieces//0.0044:212:60//AC005308  
 R-HEMBA1003278//Homo sapiens 12q24.1 PAC RPCI1-315L5 (Roswell Park Cancer Institute Human PAC library) complete sequence//1.1e-34:286:74//AC002395  
 R-HEMBA1003281//High throughput sequencing of human chromosome 12, WORKING DRAFT SEQUENCE, 1 ordered pieces//1.8e-53:428:83//AC005840  
 30 R-HEMBA1003291//Homo sapiens mRNA for KIAA0537 protein, complete cds//3.0e-115:551:99//AB011109  
 R-HEMBA1003296//CIT-HSP-2196L16.TR CIT-HSP Homo sapiens genomic clone 2196L16, genomic survey sequence//2.9e-20:337:65//AQ003073  
 R-HEMBA1003304//Sequence 23 from patent US 5552281//1.8e-31:179:97//I25662  
 35 R-HEMBA1003309//Arabidopsis thaliana genomic DNA, chromosome 5, TAC clone: K19E20, complete sequence//0.00019:334:60//AB017061  
 R-HEMBA1003314//Homo sapiens mRNA for leucine zipper bearing kinase, complete cds//2.8e-111:545:97//AB001872  
 R-HEMBA1003322//Human DNA sequence from clone 23K20 on chromosome Xq25-26.2 Contains EST, STS, GSS, complete sequence//0.60:274:61//AL022153  
 40 R-HEMBA1003327//Homo sapiens BAC clone RG351J01 from 7q22-q31, complete sequence//0.00028:172:65//AC005099  
 R-HEMBA1003328//Homo sapiens clone RG270D13, WORKING DRAFT SEQUENCE, 18 unordered pieces//2.2e-44:268:90//AC005081  
 45 R-HEMBA1003330//Homo sapiens poly(A) binding protein II (PABP2) gene, complete cds//2.7e-61:312:97//AF026029  
 R-HEMBA1003348//\*\*\*ALU WARNING: Human Alu-J subfamily consensus sequence//7.2e-38:186:83//U14567  
 R-HEMBA1003369//Caenorhabditis elegans cosmid F59C6, complete sequence//0.00012:465:59//Z79600  
 R-HEMBA1003370//Homo sapiens chromosome 17, clone hRPC867C24, complete sequence//3.2e-42:301:87//AC002558  
 50 R-HEMBA1003373//Human DNA sequence from clone 109F14 on chromosome 6p21.2-21.3. Contains the alternatively spliced gene for Transcriptional Enhancer Factor TEF-5, the 60S Ribosomal Protein RPL10A gene, a PUTATIVE ZNF127 LIKE gene, and the PPAR for Peroxisome Proliferator Activated Receptor Delta (PPAR-Delta, PPAR-Beta, Nuclear Hormone Receptor 1, NUC1, NUCI, PPARB). Contains three putative CpG islands, ESTs, STSs, GSSs and a ca repeat polymorphism, complete sequence//7.4e-34:375:74//AL022721  
 55 R-HEMBA1003376//Homo sapiens chromosome 16, cosmid clone RT102 (LANL), complete sequence//1.6e-46:309:88//AC004651  
 R-HEMBA1003380//HS\_3184\_B2\_E06\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3184 Col=12 Row=J, genomic survey sequence//1.0e-35:237:88//AQ189144



# EP 1 074 617 A2

R-HEMBA1003384//HS\_2193\_B2\_H08\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2193 Col=16 Row=P, genomic survey sequence.//0.00029:96:76//AQ032212

R-HEMBA1003395//Homo sapiens chromosome 17, clone HCIT169H9, WORKING DRAFT SEQUENCE, 6 unordered pieces.//2.6e-21:139:86//AC002993

5 R-HEMBA1003402//CIT-HSP-2166E19.TR CIT-HSP Homo sapiens genomic clone 2166E19, genomic survey sequence.//0.99:144:61//B91549

R-nnnnnnnnnnnnn

R-HEMBA1003417//Human DNA sequence from clone 496N17 on chromosome 6p11.2-12.3 Contains EST, GSS, complete sequence.//2.5e-112:547:98//AL031321

10 R-HEMBA1003418//Homo sapiens PAC clone DJ0755G17 from 7p21-p22, complete sequence.//0.082:352:59//AC004879

R-HEMBA1003433//Homo sapiens cell cycle regulatory protein p95 (NBS1) mRNA, complete cds.//9.9e-114:544:98//AF058696

R-HEMBA1003461

15 R-HEMBA1003463

R-HEMBA1003480//Homo sapiens clone NH0523H20, complete sequence.//9.1e-106:533:96//AC005041

R-HEMBA1003528

R-HEMBA1003531//Human BAC clone GS552A01 from 7q21-q22, complete sequence.//3.4e-08:333:64//AC002454

20 R-HEMBA1003538//Human mRNA for complement component C1r.//1.4e-23:333:68//X04701

R-HEMBA1003545//Zebrafish mRNA for zflsl-2 (insulin gene enhancer binding protein homolog), complete cds.//0.030:144:68//D38453

R-HEMBA1003548//Plasmodium falciparum 3D7 chromosome 12 PFYAC812 genomic sequence, WORKING DRAFT SEQUENCE, 8 unordered pieces.//0.0017:487:57//AC004153

25 R-HEMBA1003555//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 371H6, WORKING DRAFT SEQUENCE.//2.8e-99:503:96//AL031718

R-HEMBA1003556//Homo sapiens Xp22-175-176 BAC GSHB-484O17 (Genome Systems Human BAC Library) complete sequence.//1.6e-114:574:97//AC005913

R-HEMBA1003560//Diplolepis rosae microsatellite clone DR04096.//0.24:116:67//AF034416

30 R-HEMBA1003568//Homo sapiens clone NH0215P16, WORKING DRAFT SEQUENCE, 3 unordered pieces.//3.9e-05:422:63//AC006036

R-HEMBA1003569//Homo sapiens full-length insert cDNA clone ZD82D06.//8.7e-108:545:95//AF086450

R-HEMBA1003571//Homo sapiens PAC clone DJ0886O08 from 7q32-q35, complete sequence.//4.6e-51:570:71//AC004914

35 R-HEMBA1003579//HS\_3237\_B2\_E05\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3237 Col=10 Row=J, genomic survey sequence.//8.5e-97:495:95//AQ209302

R-HEMBA1003581//Mouse mRNA for talin.//8.3e-12:128:82//X56123

R-HEMBA1003591//Homo sapiens chromosome 16, BAC clone 2603 (LANL), complete sequence.//2.9e-87:251:95//AC005774

40 R-HEMBA1003595//Homo sapiens DNA sequence from BAC 1216H12 on chromosome 22q12. Contains a pseudogene with similarity to part of mouse Ninein and the KIAA0609 gene for a protein similar to C. elegans K09C8.4. Contains ESTs, GSSs and a ggtt repeat polymorphism, complete sequence.//4.5e-52:384:83//AL008715

R-HEMBA1003597//Homo sapiens DNA sequence from PAC 418A9 on chromosome 6q21. Contains the first (5') two exons of a CDK8 (Cell Division Protein Kinase 8) LIKE gene, a Neutral Calponin LIKE pseudogene, ESTs and STSs, complete sequence.//4.6e-41:442:74//Z84480

45 R-HEMBA1003598//Homo sapiens PAC clone DJ0537P09 from 7p11.2-p12, complete sequence.//1.8e-23:177:88//AC005153

R-HEMBA1003615

R-HEMBA1003617//Plasmodium falciparum 3D7 chromosome 12 PFYAC336 genomic sequence, WORKING DRAFT SEQUENCE, 5 unordered pieces.//0.039:494:57//AC005139

50 R-HEMBA100362111\*\*\* SEQUENCING IN PROGRESS \*\*\* Homo sapiens chromosome 4, BAC clone C0052122; HTGS phase 1, WORKING DRAFT SEQUENCE, 4 unordered pieces.//2.3e-26:309:75//AC004599

R-HEMBA1003622//Homo sapiens Xp22 BAC 620F15 (Genome Systems BAC library) complete sequence.//7.1e-56:545:75//AC002980

55 R-HEMBA1003630//Homo sapiens CC chemokine gene cluster, complete sequence.//2.8e-32:546:68//AF088219

R-HEMBA1003637//Human BAC clone GS552A01 from 7q21-q22, complete sequence.//8.0e-25:457:68//AC002454

R-HEMBA1003640//Homo sapiens chromosome X, PAC 671D9, complete sequence.//2.8e-40:280:86//AF031078

R-HEMBA1003645//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 32B1, WORKING DRAFT SEQUENCE.//1.7e-33:297:82//AL023693  
 R-HEMBA1003646//Plasmodium falciparum MAL3P7, complete sequence.//0.44:319:59//AL034559  
 R-HEMBA1003656//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-152E5, complete sequence.//6.9e-36:242:80//AC004382  
 R-HEMBA1003662//Homo sapiens chromosome 17, clone hRPK.332\_H\_18, complete sequence.//8.6e-117:588:96//AC005746  
 R-HEMBA1003667//Sequence 8 from patent US 5420245.//1.8e-21:170:88//I12222  
 R-HEMBA1003679//Homo sapiens BAC clone RG114B19 from 7q31.1, complete sequence.//1.6e-22:180:87//AC005065  
 R-HEMBA1003680//C. elegans cosmid ZK353.//1.1e-06:270:61//L15313  
 R-HEMBA1003684//Colias alexandra alexandra cytochrome oxidase subunit I (cox1) gene, mitochondrial gene encoding mitochondrial protein, partial cds.//0.77:171:66//AF044872  
 R-HEMBA1003690//Homo sapiens 12q13.1 PAC RPCI5-1057I20 (Roswell Park Cancer Institute Human PAC library) complete sequence.//1.6e-104:523:97//AC004466  
 R-HEMBA1003692//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 508I15, WORKING DRAFT SEQUENCE.//1.7e-41:414:77//AL021707  
 R-HEMBA1003711//Human Chromosome 11 overlapping pacs pDJ235k10 and pDJ239b22, WORKING DRAFT SEQUENCE, 17 unordered pieces.//1.6e-29:304:77//AC000406  
 R-HEMBA1003714  
 R-HEMBA1003715//Homo sapiens chromosome 16p11.2 BAC clone CIT987SK-A-685D8, WORKING DRAFT SEQUENCE, 16 unordered pieces.//1.4e-63:578:77//AC005136  
 R-HEMBA1003720//Homo sapiens, WORKING DRAFT SEQUENCE, 135 unordered pieces.//2.4e-36:350:78//AC002353  
 R-HEMBA1003725//Homo sapiens chromosome 19, cosmid R31973, complete sequence.//6.3e-42:250:75//AC004699  
 R-HEMBA1003729//RPCI11-22D14.TV RPCI-11 Homo sapiens genomic clone RPCI-11-22D14, genomic survey sequence.//1.0:234:62//B86158  
 R-HEMBA1003733//Human DNA sequence from clone 396D17 on chromosome 1p33-35.3 Contains EST, STS, GSS, complete sequence.//7.7e-80:558:83//AL008634  
 R-HEMBA1003742//HS\_3080\_B2\_H06\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3080 Col=12 Row=P, genomic survey sequence.//3.4e-55:331:91//AQ139179  
 R-HEMBA1003758//Human DNA sequence from PAC 295C6 on chromosome 1q24. Contains ESTs, CA repeat, STS and CpG island.//4.5e-59:521:75//Z97876  
 R-HEMBA1003760  
 R-HEMBA1003773//Mus musculus signal recognition particle receptor beta subunit mRNA, complete cds.//2.6e-72:467:86//U17343  
 R-HEMBA1003783//Mus musculus bromodomain-containing protein BP75 mRNA, complete cds.//1.0e-77:557:81//AF084259  
 R-HEMBA1003784  
 R-HEMBA1003799//Homo sapiens PAC clone DJ1032B10 from 7p15.3-p21, complete sequence.//2.1 e-49:390:72//AC004455  
 R-HEMBA1003803  
 R-HEMBA1003804//Homo sapiens chromosome 17, clone hCIT.175\_E\_5, complete sequence.//9.4e-99:359:99//AC004596  
 R-HEMBA1003805//Human DNA sequence from clone 51J12 on chromosome 6q26-27. Contains the 3' part of the alternatively spliced gene for the human orthologs of mouse QKI-7 and QKI-7B (KH Domain RNA Binding proteins) and zebrafish ZKQ-1 (Quaking protein homolog). Contains ESTs, STSs and GSSs, complete sequence.//8.0e-113:567:96//AL031781  
 R-HEMBA1003807//Bovine dinucleotide microsatellite HUJII77.//5.4e-18:194:78//M96348  
 R-HEMBA1003836//Human DNA from overlapping chromosome 19 cosmids R31396, F2545L and R31076 containing COX6B and UPKA, genomic sequence, complete sequence.//3.4e-40:256:85//AC002115  
 R-HEMBA1003838//CIT-HSP-2380F18.TF CIT-HSP Homo sapiens genomic clone 2380F18, genomic survey sequence.//9.7e-25:150:96//AQ196624  
 R-HEMBA1003856//Human DNA sequence from clone 272E8 on chromosome Xp22.13-22.31. Contains a pseudogene similar to MDM2-Like P53-binding protein gene. Contains STSs, GSSs and a CA repeat polymorphism, complete sequence.//4.8e-33:486:68//Z93929  
 R-HEMBA1003864//, complete sequence.//4.4e-100:531:94//AC005300

R-HEMBA1003866//HS\_3203\_B2\_C01\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3203 Col=2 Row=F, genomic survey sequence.//2.6e-05:206:64//AQ180298

R-HEMBA1003879//Homo sapiens chromosome 10 clone CIT987SK-1119P3 map 10q25.1, WORKING DRAFT SEQUENCE, 1 ordered pieces.//4.7e-17:170:79//J82207

5 R-HEMBA1003880//Homo sapiens genomic DNA, chromosome 21q11.1, segment 7/28, WORKING DRAFT SEQUENCE.//7.8e-103:526:96//AP000036

R-HEMBA1003885//Human apolipoprotein apoC-IV (APOC4) gene, complete cds.//3.5e-45:299:87//U32576

R-HEMBA1003893//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1137F22, WORKING DRAFT SEQUENCE.//1.1e-41:386:77//AL034421

10 R-HEMBA1003902//HS\_3031\_B2\_E07\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3031 Col=14 Row=J, genomic survey sequence.//5.3e-50:293:93//AQ165549

R-HEMBA1003908//CIT-HSP-2367K7.TR CIT-HSP Homo sapiens genomic clone 2367K7, genomic survey sequence.//1.2e-32:220:92//AQ076795

R-HEMBA1003926//Homo sapiens chromosome 5, BAC clone 194j18 (LBNL H158), complete sequence.//3.1e-58:294:85//AC005368

15 R-HEMBA1003937//Homo sapiens chromosome 3 subtelomeric region.//8.0e-111:590:93//AF109718

R-HEMBA1003939

R-HEMBA1003942//Homo sapiens clone DJ0828F13, complete sequence.//2.2e-08:474:58//AC004904

R-HEMBA1003950//Plasmodium vivax from Brazil cytochrome b (cytb) gene, mitochondrial gene encoding mitochondrial protein, partial cds.//0.034:258:62//AF069619

20 R-HEMBA1003953//Plasmodium falciparum MAL3P8, complete sequence.//0.096:492:57//AL034560

R-HEMBA1003958//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 64K7, WORKING DRAFT SEQUENCE.//7.3e-40:382:78//AL031668

R-HEMBA1003959//Amaranthus hypochondriacus betaine aldehyde dehydrogenase (ahybadh4) gene, complete cds.//0.11:428:60//AF000132

25 R-HEMBA1003976//Homo sapiens PAC clone DJ0724E13 from 7p11.2-p12, complete sequence.//1.0:222:62//AC004414

R-HEMBA1003978//Sequence 31 from patent US 5708157.//1.9e-14:159:77//I80060

R-HEMBA1003985//Homo sapiens 12p13.3 PAC RPCI5-927J10 (Roswell Park Cancer Institute Human PAC library) complete sequence.//5.6e-14:136:83//AC004804

30 R-HEMBA1003987//Human chromosome 12p13 sequence, complete sequence.//3.2e-26:268:79//U47924

R-HEMBA1003989//RPCI11-52K22.TJ RPCI11 Homo sapiens genomic clone R-52K22, genomic survey sequence.//2.2e-86:443:95//AQ052484

R-HEMBA1004000

35 R-HEMBA1004011

R-HEMBA1004012//Homo sapiens chromosome 17, clone hRPK.63\_A\_1, complete sequence.//4.7e-38:284:85//AC005670

R-HEMBA1004015//Human DNA sequence from clone 931E15 on chromosome Xq25. Contains STSs, GSSs and genomic marker DXS8098, complete sequence.//0.48:460:58//AL023575

40 R-HEMBA1004024//Homo sapiens clone RG270D13, WORKING DRAFT SEQUENCE, 18 unordered pieces.//2.5e-21:159:80//AC005081

R-HEMBA1004038//Homo sapiens Xq28 BAC RPCI11-382P7 (Roswell Park Cancer Institute Human BAC Library) complete sequence.//7.9e-10:231:66//AC006054

R-HEMBA1004042//Homo sapiens clone DJ0968I16, complete sequence.//0.00071:263:68//AC006016

45 R-HEMBA1004045//Homo sapiens PAC clone DJ0074M20 from X, complete sequence.//8.8e-23:196:69//AC006143

R-HEMBA1004048//CIT-HSP-2288N20.TF CIT-HSP Homo sapiens genomic clone 2288N20, genomic survey sequence.//0.013:162:67//AQ007283

R-HEMBA1004049//Human hsp 70 gene 3' region for 70 kDa heat shock protein.//7.7e-30:176:96//X04677

50 R-HEMBA1004055//Plasmodium falciparum 3D7 chromosome 12 PFYAC1383 genomic sequence, WORKING DRAFT SEQUENCE, 3 unordered pieces.//8.4e-05:395:63//AC005504

R-HEMBA1004056//Homo sapiens clone DJ0847008, WORKING DRAFT SEQUENCE, 3 unordered pieces.//3.5e-61:551:77//AC005484

R-HEMBA1004074//Homo sapiens clone DJ1032D07, WORKING DRAFT SEQUENCE, 3 unordered pieces.//0.98:275:63//AC004952

55 R-HEMBA1004086//Sequence 65 from patent US 5691147.//2.8e-54:313:92//I76237

R-HEMBA1004097//Mus musculus putative transcription factor mRNA, complete cds.//1.8e-11:323:63//AF091234

R-HEMBA1004131//Human mRNA for KIAA0128 gene, partial cds.//9.3e-42:534:69//D50918

# EP 1 074 617 A2

R-HEMBA1004132//Homo sapiens chromosome 17, clone hCIT.211\_P\_7, complete sequence.//6.0e-49:491:76//AC003665

R-HEMBA1004133//HS\_3229\_B2\_E09\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3229 Col=18 Row=J, genomic survey sequence.//1.1e-72:374:97//AQ192003

5 R-HEMBA1004138//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 417M14, WORKING DRAFT SEQUENCE.//3.1e-09:277:66//AL024498

R-HEMBA1004143//Plasmodium falciparum MAL3P4, complete sequence.//0.53:239:61//AL008970

R-HEMBA1004146//Homo sapiens clone DJ0038110, WORKING DRAFT SEQUENCE, 5 unordered pieces.//3.0e-35:165:88//AC004820

10 R-HEMBA1004150//CITBI-E1-251712.TR CITBI-E1 Homo sapiens genomic clone 251712, genomic survey sequence.//0.56:379:59//AQ277616

R-HEMBA1004164//Human BAC clone GS200K05 from 7q21-q22, complete sequence.//4.6e-49:448:77//AC002429

R-HEMBA1004168//Homo sapiens geminin mRNA, complete cds.//2.4e-110:563:96//AF067855

15 R-HEMBA1004199//S.pombe chromosome I cosmid c8A4.//0.73:187:64//Z66569

R-HEMBA1004200//Homo sapiens Xp22 BAC GSHB-184P14 (Genome Systems Human BAC library) complete sequence.//6.3e-30:293:77//AC004552

R-HEMBA1004202//rah=ras-related homolog [mice, HT4 neural cell line, mRNA, 993 nt].//3.0e-64:517:80//S72304

20 R-HEMBA1004203//Homo sapiens clone NH0313P13, WORKING DRAFT SEQUENCE, 15 unordered pieces.//1.0e-97:303:98//AC005488

R-HEMBA1004207//Homo sapiens leptin receptor short form (db) mRNA, complete cds.//3.6e-116:573:97//U50748

R-HEMBA1004225//Drosophila melanogaster mitochondrial DNA with 12 tRNAs and 7 genes.//5.4e-11:493:60//M37275

25 R-HEMBA1004227//Rattus norvegicus protein phosphatase 2C mRNA, complete cds.//6.1e-76:443:86//AF095927

R-HEMBA1004238//Homo sapiens chromosome 19, cosmid R28341, complete sequence.//1.1e-42:330:83//AC005763

R-HEMBA1004241

30 R-HEMBA1004246//Homo sapiens genomic DNA, chromosome 21q22.2 (Down Syndrome region), segment 4/15, WORKING DRAFT SEQUENCE.//1.1e-45:288:85//AP000011

R-HEMBA1004248//Homo sapiens PAC clone DJ0828B12 from 7q11.23-q21.1, complete sequence.//5.2e-09:516:61//AC004903

R-HEMBA1004264

35 R-HEMBA1004267//HS\_2255\_A2\_H12\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2255 Col=24 Row=O, genomic survey sequence.//8.6e-59:318:95//AQ068854

R-HEMBA1004272//Homo sapiens 12p13.3 PAC RPCIS-1180D12 (Roswell Park Cancer Institute Human PAC Library) complete sequence.//1.1e-113:576:96//AC005831

R-nnnnnnnnnnn//Homo sapiens clone 617 unknown mRNA, complete sequence.//4.4e-110:553:96//AF091081

40 R-HEMBA1004276

R-HEMBA1004286//Homo sapiens TGF beta receptor associated protein-1 mRNA, complete cds.//1.9e-106:538:97//AF022795

R-HEMBA1004289//RPCI11-74010.TJ RPCI11 Homo sapiens genomic clone R-74O10, genomic survey sequence.//2.3e-37:248:76//AQ266668

45 R-HEMBA1004295//Baboon apolipoprotein A-VI mRNA, 3' end.//0.0016:273:64//L13174

R-HEMBA1004306//HS\_3175\_B2\_F01\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3175 Col=2 Row=L, genomic survey sequence.//1.6e-28:190:77//AQ169206

R-HEMBA1004312//Human BAC clone RG119P24 from 7q31, complete sequence.//6.3e-36:267:82//AC003088

R-HEMBA1004321//Homo sapiens \*\*\* SEQUENCING IN PROGRESS \*\*\* from PAC 10155, WORKING DRAFT SEQUENCE.//4.1e-111:576:95//AJ009611

50 R-HEMBA1004323//CIT-HSP-2374C8.TR CIT-HSP Homo sapiens genomic clone 2374C8, genomic survey sequence.//2.7e-42:136:91//AQ114933

R-HEMBA1004327//CIT-HSP-2303L24.TF CIT-HSP Homo sapiens genomic clone 2303L24, genomic survey sequence.//1.0:78:67//AQ017600

55 R-HEMBA1004330//Homo sapiens clone DJ1173120, WORKING DRAFT SEQUENCE, 5 unordered pieces.//2.3e-119:580:98//AC004987

R-HEMBA1004334//Pimpinella brachycarpa Phybl mRNA, complete cds.//3.3e-14:238:69//AF082024

R-HEMBA1004335//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-116A10, complete sequence.//1.8e-

21:291:71//AC004638  
 R-HEMBA1004341  
 R-HEMBA1004353//Homo sapiens mRNA for c-myc binding protein, complete cds.//4.1e-74:444:90//D89667  
 R-HEMBA1004354//Human DNA from overlapping chromosome 19-specific cosmids R29515 and R28253, ge-  
 5 nomic sequence, complete sequence.//7.0e-38:287:82//AC003002  
 R-HEMBA1004356//Sequence 2 from patent US 5652144.//3.7e-108:588:92//I58611  
 R-HEMBA1004366//WORKING DRAFT SEQUENCE, 3 unordered pieces.//1.8e-14:446:63//AC005949  
 R-HEMBA1004372//CIT-HSP-2005C13.TF CIT-HSP Homo sapiens genomic clone 2005C13, genomic survey se-  
 quence.//0.010:334:61//B55811  
 10 R-HEMBA1004389//Homo sapiens full-length insert cDNA clone ZE09A11.//1.5e-19:170:83//AF086540  
 R-HEMBA1004394//Human (D21S198) DNA segment containing (TG)23 repeat.//1.0:50:84//X58124  
 R-HEMBA1004396//Homo sapiens chromosome 4 clone B240N9 map 4q25, complete sequence.//8.2e-34:459:  
 69//AC004057  
 R-HEMBA1004405//Homo sapiens BAC clone GS589P19 from 7p13-p14, complete sequence.//2.8e-42:314:84//  
 15 AC005030  
 R-HEMBA1004408  
 R-HEMBA1004429//M.musculus of DNA encoding DNA-binding protein.//1.6e-66:449:82//Z54200  
 R-HEMBA1004433//Homo sapiens chromosome 21q22.3, PAC clones 314N7, 225L15, BAC clone 7B7, complete  
 sequence bases 1..333303.//7.2e-32:460:68//AJ011930  
 20 R-HEMBA1004460//Homo sapiens clone DJ0647C14, WORKING DRAFT SEQUENCE, 21 unordered pieces.//  
 3.9e-113:581:96//AC004846  
 R-HEMBA1004461//HS\_3244\_A2\_F12\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3244 Col=24 Row=K, genomic survey sequence.//8.0e-83:397:99//AQ220876  
 R-HEMBA1004479//Homo sapiens PAC clone DJ0942I16 from 7q11, complete sequence.//1.7e-40:485:70//  
 25 AC006012  
 R-HEMBA1004482//Plasmodium falciparum chromosome 2, section 7 of 73 of the complete sequence.//2.2e-11:  
 513:59//AE001370  
 R-HEMBA1004502//Homo sapiens chromosome 17, clone hRPK.372\_K\_20, complete sequence.//2.0e-08:245 :  
 66//AC005951  
 30 R-HEMBA1004506//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 34606, WORKING  
 DRAFT SEQUENCE.//4.2e-81:582:83//Z84487  
 R-HEMBA1004507//Caenorhabditis elegans cosmid C40C9, complete sequence.//0.56:235:64//Z70266  
 R-HEMBA1004509  
 R-HEMBA1004534//Sequence 58 from patent US 5691147.//1.9e-61:430:83//I76230  
 35 R-HEMBA1004538//HS\_3189\_B2\_C03\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3189 Col=6 Row=F, genomic survey sequence.//6.1e-21:140:92//AQ170330  
 R-HEMBA1004554//CIT-HSP-712K9.TP CIT-HSP Homo sapiens genomic clone 712K9, genomic survey se-  
 quence.//1.7e-16:116:93//B73329  
 R-HEMBA1004560//Human mRNA for KIAA0281 gene, complete cds.//2.2e-14:213:71//D87457  
 40 R-HEMBA1004573  
 R-HEMBA1004577//Human DNA sequence from cosmid L247F6, Huntington's Disease Region, chromosome  
 4p16.3 contains protein similar to Mouse SH3 binding protein 3BP2, multiple ESTs and a CpG island.//1.0:352:  
 60//Z68279  
 R-HEMBA1004586  
 45 R-nnnnnnnnnnnn//Plasmodium falciparum MAL3P6, complete sequence.//0.0012:359:60//Z98551  
 R-HEMBA1004610//S.pombe chromosome II cosmid c354.//0.0011:362:62//AL022071  
 R-HEMBA1004617//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0501.//1.4e-50:327:85//  
 AB007970  
 R-HEMBA1004629//Homo sapiens Xp22 bins 16-17 BAC GSHB-531I17 (Genome Systems Human BAC Library)  
 50 complete sequence.//4.4e-13:527:63//AC004805  
 R-HEMBA1004631//Rattus norvegicus Nclone10 mRNA.//2.9e-24:364:71//U31866  
 R-HEMBA1004632  
 R-HEMBA1004637//Homo sapiens clone DJ0982E09, WORKING DRAFT SEQUENCE, 3 unordered pieces.//  
 7.7e-117:573:98//AC005534  
 55 R-HEMBA1004638//H.sapiens mRNA for DGCR2.//3.8e-19:118:99//X84076  
 R-HEMBA1004666//Arabidopsis thaliana chromosome II BAC T4E14 genomic sequence, complete sequence.//  
 0.00013:501:58//AC005171  
 R-HEMBA1004669//Human DNA sequence from clone 465N24 on chromosome 1p35.1-36.13. Contains two novel

- genes, ESTs, GSSs and CpG islands, complete sequence//1.5e-120:571:98//AL031432  
 R-HEMBA1004670//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 222E13, WORKING DRAFT SEQUENCE//4.4e-12:110:88//Z93241
- 5 R-HEMBA1004672//Human DNA sequence from PAC 308I13 on chromosome 1p35-1p36.3//3.4e-38:324:81//Z99291  
 R-HEMBA1004693//Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MPO12, complete sequence//0.86:309:57//AB006702  
 R-HEMBA1004697//T33B22TF TAMU Arabidopsis thaliana genomic clone T33B22, genomic survey sequence//0.29:331:61//B97342
- 10 R-HEMBA1004705//Plasmodium falciparum MAL3P7, complete sequence//0.051:424:58//AL034559  
 R-HEMBA1004709//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-116A10, complete sequence//1.7e-49:497:76//AC004638  
 R-HEMBA1004711//Homo sapiens chromosome 17, clone hRPK.271\_K\_11, complete sequence//1.6e-38:362:79//AC005562
- 15 R-HEMBA1004725  
 R-HEMBA1004730//Homo sapiens Chromosome 17p13 Cosmid Clone cos26, complete sequence//1.1e-58:489:79//AC002085  
 R-HEMBA1004733  
 R-HEMBA1004734//Human DNA sequence from clone 273N12 on chromosome 6q16.1-16.3. Contains the gene for the N-Oct5a (N-Oct3, N-Oct5b) POU domain proteins and an unknown gene. Contains a putative CpG island, ESTs, STS; and GSSs, complete sequence//0.0030:362:61//AL022395
- 20 R-HEMBA1004736//Homo sapiens clone DJ0981O07, complete sequence//1.9e-58:282:87//AC006017  
 R-HEMBA1004748//Homo sapiens PAC clone DJ1059M17 from 7q21-q31.1, complete sequence//3.6e-34:287:81//AC004953
- 25 R-HEMBA1004751//Human DNA sequence from PAC 507I15 on chromosome Xq26.3-27.3. Contains 60S ribosomal protein L44 (L41, L36) like gene, ESTs, STSs and a polymorphic CA repeat//5.3e-40:266:89//Z98950  
 R-HEMBA1004752//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 495010, WORKING DRAFT SEQUENCE//3.3e-39:281:85//AL031121  
 R-HEMBA1004753//Homo sapiens ribosomal protein S20 (RPS20) mRNA, complete cds//2.6e-65:475:84//L06498
- 30 R-HEMBA1004756//Homo sapiens DNA sequence from PAC 86C11 on chromosome 6p21.31-22.1. Contains histone genes H2A/1, H2B.1A, H4, H2A.1b, H3 pseudogene, pheromone receptor pseudogene, ESTs, STS and CpG island//1.8e-08:516:59//AL021807  
 R-HEMBA1004758//Homo sapiens chromosome 4 clone B240N9 map 4q25, complete sequence//5.1e-45:577:72//AC004057
- 35 R-HEMBA1004763  
 R-HEMBA1004768//Human DNA sequence from clone 395P12 on chromosome 1q24-25. Contains the TXGP1 gene for tax-transcriptionally activated glycoprotein 1 (34kD) (OX40 ligand, OX40L) and a GOT2 (Aspartate Aminotransferase, mitochondrial precursor, EC 2.6.1.1, Transaminase A, Glutamate Oxaloacetate Transaminase-2) pseudogene. Contains ESTs, STSs and GSSs, complete sequence//4.1e-60:435:78//AL022310
- 40 R-HEMBA1004770//Plasmodium falciparum chromosome 2, section 8 of 73 of the complete sequence//8.7e-05:476:61//AE001371  
 R-HEMBA1004771//Homo sapiens Xp22 Cosmid U152D7 (Lawrence Livermore human cosmid library) complete sequence//5.0e-08:113:80//AC003047
- 45 R-HEMBA1004776  
 R-HEMBA1004778//\*\*\*ALU WARNING: Human Alu-J subfamily consensus sequence//1.1e-35:288:84//U14567  
 R-nnnnnnnnnnn/HS\_3192\_B1\_F09\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3192 Col=17 Row=L, genomic survey sequence//1.9e-44:233:98//AQ155855  
 R-HEMBA1004803//Homo sapiens minisatellite ms31 repeat region//3.0e-67:318:87//AF048728
- 50 R-HEMBA1004806  
 R-HEMBA1004807//Homo sapiens clone GS166C05, WORKING DRAFT SEQUENCE, 7 unordered pieces//3.6e-20:333:69//AC005015  
 R-HEMBA1004816//Human DNA sequence from PAC 50A13 on chromosome Xp11. Contains ATP SYNTHASE LIPID BINDING PROTEIN P1 (P2, P3) precursor (ATP5G1, ATP5G2, ATP5G3) like pseudogene, ESTs and STSs.
- 55 Contains polymorphic CA repeat//6.3e-13:148:77//Z92545  
 R-HEMBA1004820//Human arginine-rich nuclear protein mRNA, complete cds//1.5e-12:141:85//M74002  
 R-HEMBA1004847//Canine mRNA for 68kDA subunit of signal recognition particle (SRP68)//7.6e-80:297:85//X53744

- R-HEMBA1004850  
R-HEMBA1004863//Human DNA sequence from PAC 345P10 on chromosome 22q12-qter contains ESTs and STS and polymorphic CA repeat D22S927.//2.0e-14:159:79//Z82201  
R-HEMBA1004864
- 5 R-HEMBA1004865//Homo sapiens Xp22-149 BAC RPCI11-466O4 (Roswell Park Cancer Institute Human BAC Library) complete sequence.//0.90:76:76//AC005297  
R-HEMBA1004880//Homo sapiens clone DJ0309D19, WORKING DRAFT SEQUENCE, 12 unordered pieces.//1.9e-49:551:73//AC004826
- 10 R-HEMBA1004889//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 223B1, WORKING DRAFT SEQUENCE.//0.0021:189:65//AL031943  
R-HEMBA1004900//Homo sapiens chromosome 17, clone hRPK.180\_P\_8, complete sequence.//6.6e-11:144:7711AC005972  
R-HEMBA1004909//Human DNA sequence from clone 505B13 on chromosome 1p36.2-36.3 Contains CA repeat and GSSs, complete sequence.//7.6e-46:341:83//Z98052
- 15 R-HEMBA1004918//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 994L9, WORKING DRAFT SEQUENCE.//1.6e-54:301:89//AL034554  
R-HEMBA1004923//Homo sapiens 47kB DNA fragment from Xq28, proximal to MTM1 gene.//2.0e-07:182:69//Y15994  
R-HEMBA1004929
- 20 R-HEMBA1004930//Homo sapient chromosome 11 clone CIT987SK-1012F4, WORKING DRAFT SEQUENCE, 6 unordered pieces.//7.7e-66:547:79//AC005848  
R-HEMBA1004933//H.sapiens Humig mRNA.//0.13:233:62//X72755  
R-HEMBA1004934//CIT-HSP-2021I16.TF CIT-HSP Homo sapiens genomic-clone 2021I16, genomic survey sequence.//0.66:268:62//B65345
- 25 R-HEMBA1004944//CIT-HSP-2281L12.TR CIT-HSP Homo sapiens genomic clone 2281L12, genomic survey sequence.//3.8e-20:104:82//B99849  
R-HEMBA1004954//Homo sapiens chromosome 17, clone hRPK.146\_P\_2, WORKING DRAFT SEQUENCE, 4 unordered pieces.//0.00082:385:60//AC005341  
R-HEMBA1004956//CIT-HSP-2305H22.TF CIT-HSP Homo sapiens genomic clone 2305H22, genomic survey sequence.//1.6e-84:411:99//AQ020408
- 30 R-HEMBA1004960//Human DNA sequence from PAC 358H7 on chromosome X.//3.3e-22:249:74//Z77249  
R-HEMBA1004972//nbxb0003aF01f CUGI Rice BAC Library Oryza sativa genomic clone nbxb0003K01f, genomic survey sequence.//0.52:171:64//AQ049982  
R-HEMBA1004973//\*\*\* SEQUENCING IN PROGRESS \*\*\* EPM1/APECED region of chromosome 21, clones A68E8, B127P21, B173L3, B23N8, C1242C9, C579E2, A70B6, B159G9, B175D10, B52C10, C124G1 Note: Sequencing in this region has been discontinued by the Stanford Human Genome Center, WORKING DRAFT SEQUENCE, 50 unordered pieces.//0.69:179:64//AC003656
- 35 R-HEMBA1004977//Caenorhabditis elegans cosmid F08G2, complete sequence.//7.6e-07:492:58//Z81495  
R-HEMBA1004978//Human DNA sequence from clone 522P13 on chromosome 6p21.31-22.3. Contains a 60S Ribosomal Protein L21 pseudogene and an HNRNP A3 (Heterogenous Nuclear Riboprotein A3, FBRNP) pseudogene. Contains ESTs, STSs and GSSs, complete sequence.//0.20:427:60//AL024509  
R-HEMBA1004980//CIT-HSP-2379K5.TF CIT-HSP Homo sapiens genomic clone 2379K5, genomic survey sequence.//1.6e-53:331:88//AQ108614
- 40 R-HEMBA1004983//Genomic sequence from Human 17, complete sequence.//0.00061:473:58//AC000389  
45 R-HEMBA1004995//Homo sapiens chromosome 16, cosmid clone 306E5 (LANL), complete sequence.//1.6e-90:527:89//AC004224  
R-HEMBA10050087//Human DNA sequence from clone 461P17 on chromosome 20q12-13.2. Contains four novel (pseudo)genes for proteins with Kunitz/Bovine pancreatic trypsin inhibitor and/or WAP-type (Whey Acidic Protein) 'four-disulfide core' domains, COX6C (Cytochrome C Oxidase Polypeptide VIC, EC 1.9.3.1) and RPL5 (60S Ribosomal Protein L5) pseudogenes, a pseudogene similar to part of the HSPD1 (HSP60, Mitochondrial Matrix Protein P1 precursor, Heat Shock Protein 60, GROEL protein, HUCHA60) gene, and the Major Epididymis-specific protein E4 precursor (HE4, Epididymis Secretory protein E4, WAP-type (Whey Acidic Protein) 'four-disulfide core' domain) gene. Contains ESTs, an STS, GSSs and a putative CpG island, complete sequence.//5.4e-65:357:83//AL031663
- 50 R-HEMBA1005009//Homo sapiens BAF53a (BAF53a) mRNA, complete cds.//5.6e-107:550:96//AF041474  
R-HEMBA1005019//Homo sapiens mRNA for KIAA0648 protein, partial cds.//6.3e-104:542:94//AB014548  
R-HEMBA1005029//Homo sapiens DNA sequence from PAC 97D16 on chromosome 6p21.3-22.2. Contains an unknown pseudogene, a 60S Ribosomal protein L24 (L30) LIKE pseudogene and histone genes H2BFC (H2B/c),
- 55

- H4FFP (H4f pseudogene), H2AFC (H2A/c), H3F1K (H3.1/k) and a tRNA-Val pseudogene and tRNA-Thr gene. Contains ESTs, STSs, GSSs and genomic marker D6S464, complete sequence.//3.1e-67:493:83//AL009179  
 R-HEMBA1005035//Homo sapiens chromosome 17, clone hCIT.175\_E\_5, complete sequence.//7.4e-101:537:94//AC004596
- 5 R-HEMBA1005039//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1018D12, WORKING DRAFT SEQUENCE.//9.5e-30:446:68//AL031650  
 R-HEMBA1005047//Mus musculus mRNA for Rab24 protein.//1.4e-34:229:88//Z22819  
 R-HEMBA1005050//Human Chromosome X PAC RPC11-290C9 from the Pieter de Jong Human PAC library; complete sequence.//4.0e-43:371:80//AC002404
- 10 R-HEMBA1005062//Homo sapiens chromosome 17, clone hCIT.186\_H\_2, complete sequence.//2.3e-15:269:66//AC004675  
 R-HEMBA1005066//Homo sapiens clone NH0001P09, WORKING DRAFT SEQUENCE, 1 unordered pieces.//4.0e-30:305:74//AC006030  
 R-HEMBA1005075
- 15 R-HEMBA1005079//Homo sapiens clone HS 19.11 Alu-Ya5 sequence.//6.5e-48:245:91//AF015156  
 R-HEMBA1005083//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1185N5, WORKING DRAFT SEQUENCE.//1.3e-15:142:83//AL034423  
 R-HEMBA1005101//Homo sapiens SYT interacting protein SIP mRNA, complete cds.//5.3e-110:545:96//AF080561
- 20 R-HEMBA1005113//Caenorhabditis elegans DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y53C10, WORKING DRAFT SEQUENCE.//0.026:252:64//Z93340  
 R-HEMBA1005123//Homo sapiens DNA sequence from clone 78F24 on chromosome 22q12.1-12.3. Contains one exon of an Oxysterol-binding protein (OSBP) LIKE gene. Contains GSSs and an STS, complete sequence.//7.1e-55:306:82//AL022336
- 25 R-HEMBA1005133//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y738F9, WORKING DRAFT SEQUENCE.//6.4e-45:309:87//AL022345  
 R-HEMBA1005149//Human cosmid LL12NC01-95H4, ETV6 gene, exon 2 and partial cds.//3.2e-31:310:76//U81834  
 R-HEMBA1005152//Homo sapiens DNA sequence from PAC 13D10 on chromosome 6p22.3-23. Contains CpG island.//1.4e-33:361:79//AL021407
- 30 R-HEMBA1005159//Human DNA sequence from clone 163016 on chromosome 1p35.1-36.13 Contains CA repeat, STS, complete sequence.//2.7e-22:440:66//AL031279  
 R-HEMBA1005185//Caenorhabditis elegans DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y105E8, WORKING DRAFT SEQUENCE.//0.0017:381:58//AL022594
- 35 R-HEMBA1005201//P.falciparum complete gene map of plastid-like DNA (IR-B).//8.5e-05:457:57//X95276  
 R-HEMBA1005202//Human 18S ribosomal RNA.//4.7e-38:236:91//X03205  
 R-HEMBA1005219  
 R-HEMBA1005223//Homo sapiens clone DJ0673M15, WORKING DRAFT SEQUENCE, 33 unordered pieces.//1.0:209:65//AC004854
- 40 R-HEMBA1005232//Homo-sapiens chromosome Y, clone 264,M,20, complete sequence.//0.0040:439:58//AC004617  
 R-HEMBA1005241//Homo sapiens PAC clone DJ0777023 from 7p14-p15, complete sequence.//4.2e-111:568:96//AC005154  
 R-HEMBA1005244//HS\_3092\_B2\_C11\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3092 Col=22 Row=F, genomic survey sequence.//4.9e-12:116:84//AQ127947
- 45 R-HEMBA1005251//Homo sapiens PAC clone DJ1182N03 from 7q11.23-q21.1, complete sequence.//3.2e-27:210:84//AC004548  
 R-HEMBA1005252//Homo sapiens chromosome 17, clone hRPK.318\_A\_15, complete sequence.//4.6e-105:437:97//AC005837
- 50 R-HEMBA1005274//Slime mold mitochondrial DNA, binding region to the membrane system.//0.011:339:59//D86630  
 R-HEMBA1005275//Homo sapiens PAC clone DJ0886O08 from 7q32-q35, complete sequence.//3.4e-17:269:71//AC004914  
 R-HEMBA1005293//Human DNA sequence from PAC 130N4, BRCA2 gene region chromosome 13q12-13 contains xs7 mRNA, ESTs.//6.9e-20:193:73//Z75887
- 55 R-HEMBA1005296//HS\_3037\_B1\_D01\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3037 Col=1 Row=H, genomic survey sequence.//0.26:184:64//AQ117120  
 R-HEMBA1005304//Homo sapiens clone DJ0693M11, WORKING DRAFT SEQUENCE, 7 unordered pieces.//



1.5e-58:445:78//AC006146  
R-HEMBA1005311//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 796E4, WORKING  
DRAFT SEQUENCE.//9.3e-42:383:78//AL022337  
R-HEMBA1005314//Caenorhabditis elegans cosmid F23H11.//0.80:179:65//AF003389  
5 R-HEMBA1005315//Homo sapiens clone NH0001P09, WORKING DRAFT SEQUENCE, 1 unordered pieces.//  
2.4e-40:409:71//AC006030  
R-HEMBA1005318//S.pombe chromosome I cosmid c2E11.//0.97:370:61//AL031181  
R-HEMBA1005331//Homo sapiens chromosome 17, clone hRPK.214\_C\_8, complete sequence.//1.9e-112:577:  
95//AC005803  
10 R-HEMBA1005353//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 429E7, WORKING  
DRAFT SEQUENCE.//8.9e-80:406:97//AL031722  
R-HEMBA1005359//Homo sapiens chromosome 17, clone hRPK.22\_N\_12, WORKING DRAFT SEQUENCE, 2  
ordered pieces.//3.2e-50:320:84//AC005412  
R-HEMBA1005367//RPC11-85E23.TV RPC11 Homo sapiens genomic clone R-85E23, genomic survey se-  
15 quence.//0.39:148:67//AQ281915  
R-HEMBA1005372//Homo sapiens full-length insert cDNA YH93B03.//2.6e-108:557:95//AF074997  
R-HEMBA1005374//Homo sapiens full-length insert cDNA clone ZA95D11.//1.9e-110:531:98//AF086142  
R-HEMBA1005389//Human DNA sequence from clone 245G19 on chromosome Xp22.11-22.2 Contains serine-  
20 threonine kinase (Txp3) gene, a pseudogene similar to ALPHA-1 PROTEIN ((CONNEXIN 43, CX43, GAP JUNC-  
TION 43 KD HEART PROTEIN)), and the 3' end of the RS (X-linked juvenile retinoschisis precursor protein) gene.  
Contains ESTs, STSs and GSSs, complete sequence.//6.0e-41:432:75//Z92542  
R-HEMBA1005394//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 681N20, WORKING  
DRAFT SEQUENCE.//4.9e-107:585:93//AL031670  
R-HEMBA1005403//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 423B22, WORKING  
25 DRAFT SEQUENCE.//5.1e-118:586:97//AL034379  
R-HEMBA1005408//Bos taurus retina membrane guanylate cyclase ROS-GC2 mRNA, complete cds.//1.6e-06:  
204:68//U95958  
R-HEMBA1005410//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 732E4, WORKING  
DRAFT SEQUENCE.//1.2e-23:452:66//AL008722  
30 R-HEMBA1005411//RPC11-66N19.TK RPC11 Homo sapiens genomic clone R-66N19, genomic survey se-  
quence.//2.2e-38:222:79//AQ237442  
R-HEMBA1005423//Homo sapiens cyclin-dependent kinase inhibitor (CDKN2C) mRNA, complete cds.//5.6e-117:  
453:99//AF041248  
R-HEMBA1005426//Human DNA sequence from PAC 448E20 on chromosome Xq26.1 contains ESTs and STS.//  
35 0.86:278:60//Z97196  
R-HEMBA1005443//Homo sapiens (clone s153) mRNA fragment.//5.4e-46:305:87//L40391  
R-HEMBA1005447//Human DNA sequence from clone 48G12 on chromosome Xq27.1-27.3. Contains STSs and  
GSSs, complete sequence.//3.3e-79:531:86//AL031054  
R-HEMBA1005468//Homo sapiens PAC clone DJ0808G16 from 7q11.23-q21, complete sequence.//4.0e-27:469:  
40 66//AC004894  
R-HEMBA1005469//Homo sapiens chromosome 16, P1 clone 96-4B (LANL), complete sequence.//7.2e-40:410:  
76//AC005212  
R-HEMBA1005472//Human DNA Sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1090E8, WORKING  
DRAFT SEQUENCE.//3.1e-40:296:85//AL033524  
45 R-HEMBA1005475//HS\_2266\_B2\_C04\_MF C1T Approved Human Genomic Sperm Library D Homo sapiens ge-  
nomic clone Plate=2266 Col=8 Row=F, genomic survey sequence.//0.49:209:61//AQ069377  
R-HEMBA1005497  
R-HEMBA1005500//Homo sapiens PAC clone DJ1093O17 from 7q11.23-q21, complete sequence.//4.5e-116:580:  
97//AC004957  
50 R-HEMBA1005506//Arabidopsis thaliana BAC T26D22.//0.0050:442:59//AF058826  
R-HEMBA1005508//Sigalphus sp. 16S ribosomal RNA gene, partial sequence.//0.020:391:59//AF003509  
R-HEMBA1005511//Human DNA sequence from PAC 52D1 on chromosome Xq21. Contains CA repeats, STS.//  
0.44:195:63//Z96811  
R-HEMBA1005517//Bovine herpesvirus type 1 early-intermediate transcription control protein (BICP4) gene, com-  
55 plete cds.//0.44:470:57//L14320  
R-HEMBA1005518//M.musculus mRNA for paladin gene.//6.2e-29:183:81//X99384  
R-HEMBA1005520//Homo sapiens clone DJ0876A24, WORKING DRAFT SEQUENCE, 6 unordered pieces.//  
7.2e-40:281:86//AC004913

- R-HEMBA1005526//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 341D10, WORKING DRAFT SEQUENCE.//3.9e-40:482:73//Z97985
- R-HEMBA1005528//Homo sapiens genomic DNA of 8p21.3-p22 anti-oncogene of hepatocellular colorectal and non-small cell lung cancer, segment 3/11.//3.8e-84:309:99//AB020860
- 5 R-HEMBA1005530//Homo sapiens PAC clone 946B23 SCA2 region, SP6 end, genomic sequence, genomic survey sequence.//8.1e-25:154:94//U84091
- R-HEMBA1005548//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 970A17, WORKING DRAFT SEQUENCE.//5.3e-105:534:96//AL034431
- 10 R-HEMBA1005552//Homo sapiens PAC clone DJ0807C15 from 7q34-q36, complete sequence.//2.8e-69:432:88//AC004743
- R-HEMBA1005558
- R-HEMBA1005568//Homo sapiens Xp22 GSHB-314C4 (Genome Systems Human BAC library) complete sequence.//5.9e-33:367:74//AC004087
- R-HEMBA1005570//Human DNA sequence from clone 192P9 on chromosome Xp11.23-11.4. Contains a pseudogene similar to rat Plasmolipin, ESTs and GSSs, complete sequence.//2.2e-67:399:91//AL020989
- 15 R-HEMBA1005576//Homo sapiens chromosome 16, BAC clone 97H22 (LANL), complete sequence.//1.0:156:631//AC005737
- R-HEMBA1005577
- R-HEMBA1005581//Homo sapiens mRNA for MEGFS, partial cds.//9.7e-27:561:64//AB011538
- 20 R-HEMBA1005582//Torulopsis glabrata mitochondrial intergenic region ATPase 9 -cytochrome oxidase 2 genes.//2.3e-10:404:62//X02171
- R-HEMBA1005583//HS\_3014\_B1\_D05\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3014 Col=9 Row=H, genomic survey sequence.//3.0e-81:442:94//AQ154499
- R-HEMBA1005588//Human DNA sequence from clone 1409 on chromosome Xp11.1-11.4. Contains a Inter-Alpha-Trypsin Inhibitor Heavy Chain LIKE gene, a alternatively spliced Melanoma-Associated Antigen MAGE LIKE gene and a 6-Phosphofructo-2-kinase (Fructose-2,6-bisphosphatase) LIKE pseudogene. Contains ESTs, STSs and genomic marker DXS8032, complete sequence.//1.8e-54:490:77//Z98046
- 25 R-HEMBA1005593//Homo sapiens chromosome 17, clone hRPK.332\_H\_18, complete sequence.//2.2e-28:262:79//AC005746
- 30 R-HEMBA1005595//HS\_2224\_A2\_G03\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2224 Col=6 Row=M, genomic survey sequence.//3.6e-48:263:95//AQ033446
- R-HEMBA1005606//Human PAC clone DJ0093I03 from Xq23, complete sequence.//2.5e-08:355:63//AC003983
- R-HEMBA1005609//HS\_2182\_B1\_H06\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2182 Col=11 Row=P, genomic survey sequence.//2.2e-82:400:99//AQ023130
- 35 R-HEMBA1005616//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 124K22, WORKING DRAFT SEQUENCE.//0.80:308:60//AL031176
- R-HEMBA1005621//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 330012, WORKING DRAFT SEQUENCE.//7.4e-76:338:98//AL031731
- R-HEMBA1005627//Homo sapiens full-length insert cDNA clone ZD53D02.//4.5e-72:398:93//AF086321
- 40 R-HEMBA1005631//Homo sapiens PAC clone DJ1086D14, complete sequence.//3.8e-17:548:60//AC004460
- R-HEMBA1005632//Homo sapiens DNA sequence from PAC 168L15 on chromosome 6q26-27. Contains RSK3 gene, ribosomal protein S6 kinase, EST, GSS, STS, CpG island, complete sequence.//1.4e-13:172:75//AL022069
- R-HEMBA1005634//RPCI11-13O15.TVB RPCI-11 Homo sapiens genomic clone RPCI-11-13O15, genomic survey sequence.//1.0e-28:153:82//B73293
- 45 R-HEMBA1005666//Human DNA sequence from PAC 696H22 on chromosome Xq21.1-21.2. Contains a mouse E25 like gene, a Kinesin like pseudogene and ESTs.//4.5e-51:343:87//AL021786
- R-HEMBA1005670//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 11703, WORKING DRAFT SEQUENCE.//2.5e-33:288:78//AL020995
- R-HEMBA1005679//Human esterase D mRNA, 3'end.//4.2e-49:322:88//M13450
- 50 R-HEMBA1005680//Homo sapiens Chr.14 PAC RPCI4-794B2 (Roswell Park Cancer Institute Human PAC Library) complete sequence.//3.0e-36:285:83//AC005924
- R-HEMBA1005685//H.sapiens (MAR8) chromosome 19 DNA, 343bp.//0.022:65:86//Z35281
- R-HEMBA1005699//Human putative EPH-related PTK receptor ligand LERK-8 (Eplg8) mRNA, complete cds.//5.4e-46:376:84//U66406
- 55 R-HEMBA1005705//RPCI11-13O14.TP RPCI-11 Homo sapiens genomic clone RPCI-11-13O14, genomic survey sequence.//0.071:182:59//B76186
- R-HEMBA1005717//Human DNA sequence from PAC 50A13 on chromosome Xp11. Contains ATP SYNTHASE LIPID BINDING PROTEIN P1 (P2, P3) precursor (ATP5G1, ATP5G2, ATP5G3) like pseudogene, ESTs and STSs.

# EP 1 074 617 A2

Contains polymorphic CA repeat.//1.0:189:66//Z92545  
R-HEMBA1005732//Human Chromosome 11q12 pac pDJ363p2, WORKING DRAFT SEQUENCE, 22 unordered pieces.//2.1e-47:449:75//AC003023  
R-HEMBA1005737

5 R-nnnnnnnnnnnn//H.sapiens DNA for repeat unit locus D18S51 (285 bp)//0.11:174:63//X91255  
R-HEMBA1005755//Human DNA-sequence from clone 396D17 on chromosome 1p33-35.3 Contains EST, STS, GSS, complete sequence.//0.15:160:65//AL008634  
R-HEMBA1005765//Human Xq28 cosmids U225B5 and U236A12, complete sequence.//5.2e-39:422:74//U71148  
R-HEMBA1005780//Homo sapiens genomic DNA, chromosome 21q22.2 (Down Syndrome region), segment 3/15, WORKING DRAFT SEQUENCE.//0.037:261:61//AP000010

10 R-HEMBA1005813//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y313F4, WORKING DRAFT SEQUENCE.//1.7e-26:242:80//AL023808  
R-HEMBA1005815//Bufo boreas MVZ 145227 c-mos gene, partial cds.//0.17:199:62//U52805  
R-HEMBA1005822//Plasmodium falciparum MAL3P7, complete sequence.//0.26:437:56//AL034559

15 R-HEMBA1005829//Human Cosmid g1572c035, complete sequence.//3.8e-05:366:61//AC000124  
R-HEMBA1005834//Human DNA sequence from clone 51J12 on chromosome 6q26-27. Contains the 3' part of the alternatively spliced gene for the human orthologs of mouse QKI-7 and QKI-7B (KH Domain RNA Binding proteins) and zebrafish ZKQ-1 (Quaking protein homolog). Contains ESTs, STSs and GSSs, complete sequence.//8.2e-107:551:96//AL031781

20 R-HEMBA1005852//F.rubripes GSS sequence, clone 163A22aA4, genomic survey sequence.//2.6e-17:225:72//AL018730  
R-HEMBA1005853//Human Chromosome 15 pac pDJ24m8, complete sequence.//1.1e-27:314:75//AC000379  
R-HEMBA1005884//Homo sapiens 12p13.3 BAC RPCI3-488H23 (Roswell Park Cancer Institute Human BAC Library) complete sequence.//2.6e-20:328:67//AC006207

25 R-HEMBA1005891//Homo sapiens PAC clone DJ0997N05 from 7q11.23-q21.1, complete sequence.//2.0e-102:543:95//AC004945  
R-HEMBA1005894  
R-HEMBA1005909  
R-HEMBA1005911//CIT-HSP-2342E5.TR CIT-HSP Homo sapiens genomic clone 2342E5, genomic survey sequence.//0.0012:315:60//AQ058081

30 R-HEMBA1005921//P.chrysogenum mitochondrion genes for tRNA-Arg, tRNA-Asn, tRNA-Tyr, small subunit rRNA, and ATPase subunit 6.//0.0090:445:58//Z23072  
R-HEMBA1005931//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 54B20, WORKING DRAFT SEQUENCE.//1.7e-46:351:83//Z98304

35 R-HEMBA1005934//Homo sapiens chromosome 17, clone hRPK.261\_A\_13, complete sequence.//0.0052:179:71//AC005138  
R-HEMBA1005962//Homo sapiens clone RG012D21, complete sequence.//1.1e-11:149:74//AC005045  
R-HEMBA1005963//HS\_3055\_A1\_E08\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3055 Col=15 Row=I, genomic survey sequence.//5.4e-79:403:97//AQ147357

40 R-HEMBA1005990//Homo sapiens I-1 receptor candidate protein mRNA, complete cds.//6.9e-112:580:95//AF082516  
R-HEMBA1005991//Human DNA sequence from clone 58A9 on chromosome 1q24.1-24.3. Contains STSs, GSSs, genomic marker D1S210 and a ca repeat polymorphism, complete sequence.//2.6e-39:299:82//AL031285  
R-HEMBA1005999//Homo sapiens clone DJ0691F11, WORKING DRAFT SEQUENCE, 11 unordered pieces.//1.1e-29:260:70//AC004859

45 R-HEMBA1006002//Rattus norvegicus s-nexilin mRNA, complete cds.//6.3e-15:174:78//AF056035  
R-HEMBA1006005//Homo sapiens MLL (MLL) gene, exons 1-3, and partial cds.//2.6e-112:574:95//AF036405  
R-nnnnnnnnnnnn//Homo sapiens mRNA for KIAA0725 protein, partial cds.//7.6e-27:444:67//AB018268  
R-HEMBA1006035//Plasmodium falciparum 3D7 chromosome 12 PFYAC336 genomic sequence, WORKING DRAFT SEQUENCE, 5 unordered pieces.//0.025:373:60//AC005139

50 R-HEMBA1006036//Homo sapiens Chromosome 16 BAC clone CIT987SK-625P11, complete sequence.//0.0056:535:59//AC004125  
R-HEMBA1006042//HS\_2169\_A1\_B11\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2169 Col=21 Row=C, genomic survey sequence.//1.7e-73:390:95//AQ132995

55 R-nnnnnnnnnnnn  
R-HEMBA1006081  
R-HEMBA1006090//HS\_2262\_A2\_A01\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2262 Col=2 Row=A, genomic survey sequence.//2.1e-70:360:97//AQ216324

- R-HEMBA1006091  
R-HEMBA1006100//Homo sapiens DNA sequence from PAC 212G6 on chromosome Xp11.3-p11.4. Contains syn-apsin 1, brain protein 4.1, properdin, tyrosine kinase (ELK1) oncogene, ESTs, STS, GSS, complete sequence.//1.6e-36:354:77//AL009172
- 5 R-HEMBA1006108  
R-HEMBA1006121  
R-HEMBA1006124//Human DNA sequence from BAC 175E3 on chromosome 22q11.2-qter. Contains ESTs, STSs and polymorphic CA repeat.//1.3e-12:327:64//Z95113  
R-HEMBA1006130//WORKING DRAFT SEQUENCE, 3 unordered pieces.//0.60:326:62//AC005948
- 10 R-nnnnnnnnnnnn//Homo sapiens chromosome 19, cosmid F16403, complete sequence.//4.3e-52:321:80//AC005777  
R-HEMBA100614211, complete sequence.//1.0e-13:160:78//AC005500  
R-HEMBA1006155//Plasmodium falciparum 3D7 chromosome 12 PFYAC69 genomic sequence, WORKING DRAFT SEQUENCE, 4 unordered pieces.//0.0013:389:60//AC004688
- 15 R-HEMBA1006158//Homo sapiens transcription factor forkhead-like 7 (FKHL7) gene, complete cds.//1.4e-119:574:98//AF048693  
R-HEMBA1006173//Mus musculus protein tyrosine phosphatase STEP61 mRNA, complete cds.//4.1e-43:307:86//U28217  
R-HEMBA1006182//Homo sapiens BAC clone RG139P11 from 7q11-q21, complete sequence.//1.7e-30:300:71//AC004491
- 20 R-HEMBA1006198//\*\*\*ALU WARNING: Human Alu-J subfamily consensus sequence.//1.3e-36:284:85//U14567  
R-HEMBA1006235//Homo sapiens clone 24422 mRNA sequence.//2.1e-110:545:97//AF070557  
R-HEMBA1006248//Homo sapiens mRNA for KIAA0667 protein, partial cds.//0.46:365:58//AB014567  
R-HEMBA1006252//Human Chromosome 16 BAC clone CIT987SK-A-972D3, complete sequence.//2.8e-41:438:71//U91323
- 25 R-HEMBA1006253//Homo sapiens 45kDa splicing factor mRNA, complete cds.//1.8e-28:179:91//AF083384  
R-HEMBA1006259//RPC11-44N14.TJ RPC11 Homo sapiens genomic clone R-44N14, genomic survey sequence.//1.5e-48:348:85//AQ203161  
R-HEMBA1006268
- 30 R-HEMBA1006272//Human DNA sequence from clone 1198H6 on chromosome 1p36.11-36.31. Contains two Melanoma Preferentially Expressed Antigen PRAME LIKE genes. Contains GSSs and ESTs, complete sequence.//2.8e-73:273:87//AL023753  
R-nnnnnnnnnnnn//H.sapiens PAP mRNA.//1.6e-54:585:71//X76770  
R-HEMBA1006283//Sequence 7 from patent US 5776683.//9.7e-18:113:98//AR016240
- 35 R-HEMBA1006284//Homo sapiens chromosome 17, clone hRPC.1028\_K\_7, complete sequence.//0.97:447:59//AC004585  
R-HEMBA1006291//Homo sapiens full-length insert cDNA clone ZB76B10.//2.9e-94:454:98//AF086161  
R-HEMBA1006293//Sequence 8 from patent US 5721351.//8.1e-10:111:72//I89415  
R-HEMBA1006309//Homo sapiens chromosome 17, clone hRPK.22\_N\_12, WORKING DRAFT SEQUENCE, 2 ordered pieces.//8.6e-37:288:84//AC005412
- 40 R-HEMBA1006310//Rattus norvegicus cytosolic sorting protein PACS-1a (PACS-1) mRNA, complete cds.//6.5e-29:132:81//AF076183  
R-HEMBA1006328//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 894K16, WORKING DRAFT SEQUENCE.//3.3e-50:340:75//AL034429
- 45 R-HEMBA1006334  
R-HEMBA1006344//Rattus norvegicus nitin mRNA, partial cds.//8.7e-22:259:72//AF087945  
R-HEMBA1006347//Human prostaticin gene, complete cds.//1.8e-78:170:100//U33446  
R-HEMBA1006349//Rat brain calcium channel alpha-1 subunit mRNA, complete cds.//0.00051:120:73//M57682  
R-HEMBA1006359//CITBI-E1-2516C16.TR CITBI-E1 Homo sapiens genomic clone 2516C16, genomic survey sequence.//4.7e-74:576:82//AQ277951
- 50 R-HEMBA1006364//G.gallus gene for transforming growth factor-beta2, exons 5-7.//2.5e-21:118:85//X59080  
R-HEMBA1006377//Homo sapiens chromosome 19, cosmid F23149, complete sequence.//5.7e-68:367:85//AC005239
- 55 R-HEMBA1006380//Human BAC clone RG007J15 from 7q31, complete sequence.//6.1e-47:300:83//AC003989  
R-HEMBA1006381//Homo sapiens chromosome 5, Bac clone 189 (LBNL H135), complete sequence.//1.5e-47:336:86//AC005914  
R-HEMBA1006398//Homo sapiens chromosome 5, BAC clone 203o13 (LBNL H155), complete sequence.//1.5e-67:501:83//AC005609

- R-HEMBA1006416//Homo sapiens chromosome 17, clone 347\_H\_5, complete sequence.//4.4e-37:319:76//AC002119
- R-HEMBA1006419//Homo sapiens chromosome 17, clone HCIT542B22, complete sequence.//2.9e-50:502:75//AC004253
- 5 R-HEMBA1006421//Homo sapiens chromosome 14q24.3 clone BAC270M14 transforming growth factor-beta 3 (TGF-beta 3) gene, complete cds; and unknown genes.//4.1e-116:572:97//AF107885
- R-HEMBA1006424//Human DNA sequence from clone 51J12 on chromosome 6q26-27. Contains the 3' part of the alternatively spliced gene for the human orthologs of mouse QKI-7 and QKI-7B (KH Domain: RNA Binding proteins) and zebrafish ZKQ-1 (Quaking protein homolog). Contains ESTs, STSs and GSSs, complete sequence.//9.4e-117:578:97//AL031781
- 10 R-HEMBA1006426//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 291J10, WORKING DRAFT SEQUENCE.//2.2e-08:353:63//Z93017
- R-HEMBA1006438//HS\_2008\_A1\_D04\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2008 Col=7 Row=G, genomic survey sequence.//1.2e-29:194:91//AQ245162
- 15 R-HEMBA1006445//Homo sapiens clone RG219E16, WORKING DRAFT SEQUENCE, 3 unordered pieces.//0.011:330:60//AC005075
- R-HEMBA1006446//Plasmodium falciparum chromosome 2, section 35 of 73 of the complete sequence.//0.032:256:61//AE001398
- R-HEMBA1006461//Homo sapiens Xp22 Cosmids U15E4, U115H5, U132E12, U115B9 (Lawrence Livermore human cosmid library) complete sequence.//5.6e-35:229:77//AC002364
- 20 R-HEMBA1006467//Homo sapiens Chromosome 9p22 Cosmid clone 34a5, complete sequence.//1.1e-14:354:63//AC002052
- R-HEMBA1006471
- R-HEMBA1006474//p40, p24 [Borna disease virus BDV, WT-1, Halle B1/91, horse brain, field isolate, Genomic RNA, 1138 nt, segment 1 of 3].//1.1e-14:442:60//S67502
- 25 R-HEMBA1006483//Human chromosome 16p13.1 BAC clone CIT987SK-551G9 complete sequence.//3.7e-37:290:82//U95742
- R-HEMBA1006485//H.sapiens mRNA for aminopeptidase.//7.6e-91:517:91//Y07701
- R-HEMBA1006486//Homo sapiens clone RG315H11, WORKING DRAFT SEQUENCE, 5 unordered pieces.//1.1e-33:289:81//AC005089
- 30 R-HEMBA1006489//Human DNA sequence from clone 192P9 on chromosome Xp11.23-11.4. Contains a pseudogene similar to rat Plasmolipin, ESTs and GSSs, complete sequence.//6.0e-07:485:60//AL020989
- R-HEMBA1006492//Homo sapiens chromosome 17, clone hRPK.269\_G\_24, complete sequence.//4.3e-112:572:95//AC005828
- 35 R-HEMBA1006494//Homo sapiens chromosome 17, clone HRPC987K16, complete sequence.//2.3e-10:186:67//AC002994
- R-HEMBA1006497//RPCI11-16L10.TPB RPCI-11 Homo sapiens genomic clone RPCI-11-16L10, genomic survey sequence.//1.5e-10:75:100//B88015
- R-HEMBA1006502//Human DNA sequence from clone 272E8 on chromosome Xp22.13-22.31. Contains a pseudogene similar to MDM2-Like P53-binding protein gene. Contains STSs, GSSs and a CA repeat polymorphism, complete sequence.//3.3e-36:516:70//Z93929
- 40 R-HEMBA1006507//Homo sapiens mRNA for KIAA0666 protein, partial cds.//1.2e-115:570:96//AB014566
- R-HEMBA1006521//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 54B20, WORKING DRAFT SEQUENCE.//2.2e-20:266:71//Z98304
- 45 R-HEMBA1006530//RPCI11-52M1.TJ RPCI11 Homo sapiens genomic clone R-52M1, genomic survey sequence.//0.00015:227:64//AQ052526
- R-HEMBA1006535//HS\_2234\_B1\_B07\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2234 Col=13 Row=D, genomic survey sequence.//7.5e-33:191:95//AQ129525
- R-HEMBA1006540//Homo sapiens clone GS051M12, complete sequence.//0.026:497:58//AC005007
- 50 R-HEMBA1006546//Homo sapiens chromosome 19, cosmid R33496, complete sequence.//5.2e-41:289:86//AC004603
- R-HEMBA1006559//Mus musculus PRAJA1 (Praja1) mRNA, complete cds.//3.4e-64:551:78//U06944
- R-HEMBA1006562//Human Chromosome 11p11.2 PAC clone pDJ404m15, complete sequence.//5.7e-09:266:66//AC002554
- 55 R-HEMBA1006566//HS\_2171\_B1\_B04\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2171 Col=7 Row=D, genomic survey sequence.//0.012:306:61//AQ125421
- R-HEMBA1006569//Ovis aries beta actin mRNA, complete cds.//3.8e-70:529:82//U39357
- R-HEMBA1006579//Homo sapiens BAC clone NH0115E20 from Y, complete sequence.//1.0:141:65//AC006032

# EP 1 074 617 A2

R-HEMBA1006583//CIT-HSP-2377M16.TR CIT-HSP Homo sapiens genomic clone 2377M16, genomic survey sequence.//1.7e-31:271:76//AQ111875

R-HEMBA1006595//Plasmodium falciparum 3D7 chromosome 12 PFYAC1122 genomic sequence, WORKING DRAFT SEQUENCE, 3 unordered pieces.//0.093:270:61//AC004709

5 R-HEMBA1006597//Homo sapiens P1 clone GSP13996 from 5q12, complete sequence.//2.7e-45:371:80//AC005031

R-HEMBA1006612

R-nnnnnnnnnnn//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 8B22, WORKING DRAFT SEQUENCE.//2.1e-20:229:77//AL031737

10 R-HEMBA1006624//Human DNA sequence from clone 406A7 on chromosome 6q23-24. Contains three pseudo-genes similar to Elongation Factor 1-Alpha (EF-1-ALPHA, Statin S1), 60S Acidic Ribosomal Protein P1 and NADH-Ubiquinone Oxidoreductase 15 kDa subunit, and part of the Microtubule Associated Protein E-MAP-115 gene. Contains ESTs, STSs and GSSs, complete sequence.//4.8e-40:321:83//AL023284

R-HEMBA1006631//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 202O8, WORKING DRAFT SEQUENCE.//1.5e-45:477:77//AL031848

15 R-HEMBA1006635//\*\*\*ALU WARNING: Human Alu-Sp subfamily consensus sequence.//8.0e-40:245:91//U14572

R-HEMBA1006639

R-HEMBA1006643

R-HEMBA1006648//Homo sapiens integrin-linked kinase (ILK) mRNA, complete cds.//2.5e-106:567:94//U40282

20 R-HEMBA1006652//Human BAC clone RG308B22 from 7q22-q31, complete sequence.//8.7e-54:334:76//AC002089

R-HEMBA1006653//Homo sapiens 7q telomere, complete sequence.//5.0e-36:207:89//AF027390

R-HEMBA1006665//HS\_3213\_B2\_D04\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3213 Col=8 Row=H, genomic survey sequence.//1.2e-21:235:67//AQ175625

25 R-HEMBA1006674//H.sapiens telomeric DNA sequence, clone 9QTEL023, read 9QTELOO023.seq.//2.6e-32:212:83//Z96776

R-HEMBA1006676//Plasmodium falciparum MAL3P6, complete sequence.//1.9e-10:436:60//Z98551

R-HEMBA1006682//Plasmodium falciparum (strain Dd2) variant-specific surface protein (var-1) gene, complete cds.//6.1e-06:477:59//L40608

30 R-HEMBA1006695//Homo sapiens clone RG339C12, WORKING DRAFT SEQUENCE, 10 unordered pieces.//1.8e-30:266:80//AC005096

R-HEMBA1006696

R-HEMBA1006708

R-HEMBA1006709//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 715N11, WORKING DRAFT SEQUENCE.//6.8e-14:139:82//AL031674

35 R-HEMBA1006717

R-HEMBA1006737//Homo sapiens chromosome 17, clone hRPK.269\_G\_24, complete sequence.//9.9e-18:365:66//AC005828

R-HEMBA1006744//Human Chromosome 16 BAC clone CIT987SK-327O24, complete sequence.//1.3e-37:380:75//AC003108

40 R-HEMBA1006754//Homo sapiens chromosome 5, P1 clone 962c5 (LBNL H87), complete sequence.//2.1e-75:338:85//AC003951

R-HEMBA1006758//Homo sapiens chromosome 5, BAC clone 182a8 (LBNL H161), complete sequence.//1.2e-112:579:95//AC005752

45 R-HEMBA1006767//Plasmodium falciparum MAL3P6, complete sequence.//0.00022:528:58//Z98551

R-HEMBA1006779//Homo sapiens chromosome 17, clone hRPK.628\_E\_12, complete sequence.//2.3e-46:305:87//AC005701

R-HEMBA10067801//Human DNA sequence from clone 243E7 on chromosome 22q12.1. Contains ESTs, STSs and GSSs, complete sequence.//7.2e-39:305:82//AL022323

50 R-HEMBA1006789//Streptomyces coelicolor cosmid 6G4.//0.0085:449:61//AL031317

R-HEMBA1006795//Homo sapiens chromosome 17, clone hRPK.346\_K\_10, complete sequence.//4.1e-43:355:801//AC006120

R-HEMBA1006796//HS\_3038\_B2\_H11\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3038 Col=22 Row=P, genomic survey sequence.//0.99:158:63//AQ102483

55 R-HEMBA1006807//Homo sapiens clone DJ0673M15, WORKING DRAFT SEQUENCE, 33 unordered pieces.//8.4e-47:481:75//AC004854

R-HEMBA1006821//Homo sapiens chromosome 17, clone hRPC.62\_O\_9, complete sequence.//3.0e-08:84:90//AC004797

# EP 1 074 617 A2

R-HEMBA1006824//Homo sapiens DNA sequence from PAC 958B3 on chromosome Xp22.11-Xp22.22. Contains ESTs STS and CpG island//3.7e-54:496:76//Z93023

R-HEMBA1006832//Homo sapiens chromosome 17, clone hRPK.243\_K\_12, complete sequence//0.70:206:65//AC005668

5 R-HEMBA1006849//Homo sapiens 12q24.1 PAC RPCI3-521E19 (Roswell Park Cancer Institute Human PAC library) complete sequence//1.2e-46:281:91//AC004217

R-HEMBA1006865//Mus musculus clone 101 B1 repeat region sequence//0.61:115:70//AF056074

R-nnnnnnnnnnn//Mus musculus mRNA for oxysterol-binding protein, complete cds//3.3e-102:618:87//AB017026

R-HEMBA1006885 4.2e-14:379:63//AG006839

10 R-HEMBA1006900//CIT-HSP-2006M20.TR CIT-HSP Homo sapiens genomic clone 2006M20, genomic survey sequence//2.6e-07:230:66//B56395

R-HEMBA1006921//Homo sapiens PAC clone DJ0777O23 from 7p14-p15, complete sequence//2.1e-68:267:86//AC005154

R-HEMBA1006926

15 R-HEMBA1006929//HS\_3244\_A2\_C01\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3244 Col=2 Row=E, genomic survey sequence//6.9e-21:191:83//AQ207500

R-HEMBA1006936

R-HEMBA1006938//Colias philodice eriphyle large subunit ribosomal RNA gene, partial sequence; tRNA-Val gene, complete sequence; and small subunit ribosomal RNA gene, partial sequence, mitochondrial genes for mitochondrial RNAs//0.11:309:59//AF044853

20 R-HEMBA1006941//Homo sapiens mRNA for putative thioredoxin-like protein//2.0e-75:371:98//AJ010841

R-HEMBA1006949//Homo sapiens PAC clone DJ0777G09 from 7q34-q36, complete sequence//0.47:240:63//AC005518

R-HEMBA1006973//HS\_2009\_A2\_A12\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2009 Col=24 Row=A, genomic survey sequence//9.6e-05:407:60//AQ232302

25 R-HEMBA1006976//RPCI11-49L11.TJ RPCI11 Homo sapiens genomic clone R-49L11, genomic survey sequence//0.0018:184:63//AQ051701

R-HEMBA1006993//Human thymopoietin (TMPO) gene, partial exon 6, complete exon 7, partial exon 8, and partial cds for thymopoietin beta//1.9e-47:394:79//U18271

30 R-HEMBA1006996//CIT-HSP-2172D17.TF CIT-HSP Homo sapiens genomic clone 2172D17, genomic survey sequence//1.8e-07:365:62//B93406

R-HEMBA1007002//Plasmodium falciparum MAL3P2, complete sequence//0.0012:505:56//AL034558

R-HEMBA1007017//Homo sapiens chromosome 17, clone hRPK.597\_M\_12, complete sequence//5.6e-41:437:71//AC005277

35 R-HEMBA1007018//G.gallus mRNA for dynein light chain-A//8.2e-73:556:80//X79088

R-HEMBA1007045

R-HEMBA1007051//Human DNA sequence from cosmid N69F4 on chromosome 22q11.2-qter contains EST//9.9e-27:342:71//Z72006

R-HEMBA1007052//Homo sapiens FSHD-associated repeat DNA, proximal region//5.4e-85:558:87//U85056

40 R-HEMBA1007062

R-HEMBA1007066

R-HEMBA1007073//Homo sapiens chromosome 17, clone hRPK.421\_E\_14, complete sequence//2.0e-66:476:85//AC006141

R-HEMBA1007078//Homo sapiens chromosome 17, clone hRPK.60\_A\_24, complete sequence//1.0e-38:179:82//AC005325

45 R-HEMBA1007085//Homo sapiens clone DJ0965K10, WORKING DRAFT SEQUENCE, 6 unordered pieces//3.2e-49:551:73//AC006015

R-HEMBA1007087//Human Chromosome 11 pac pDJ392a17, complete sequence//1.0:261:61//AC000385

R-HEMBA1007112//Homo sapiens chromosome 12p13.3, WORKING DRAFT SEQUENCE, 37 unordered pieces//0.043:295:62//AC004803

50 R-HEMBA1007113//Homo sapiens (subclone 6\_a8 from P1 H16) DNA sequence//1.4e-52:307:87//L43392

R-HEMBA1007129//Human DNA sequence from PAC 863K19 on chromosome X. Contains STS//1.2e-08:131:75//Z92547

R-HEMBA1007147//H.sapiens CpG island DNA genomic MseI fragment, clone 65f1, reverse read cpg65f1.rt1a//0.16:187:64//Z62246

55 R-HEMBA1007149//Homo sapiens chromosome 19, cosmid F23149, complete sequence//7.6e-108:543:96//AC005239

R-HEMBA1007151//Homo sapiens PAC clone DJ0745K06 from 7q31, complete sequence//0.14:323:58//

- AC004875  
R-nnnnnnnnnnn/Homo sapiens epsin 2a mRNA, complete cds//5.1e-103:529:94//AF062085  
R-HEMBA1007178//Homo sapiens chromosome 12p13.3 clone RPC11-372B4, WORKING DRAFT SEQUENCE, 129 ordered pieces//5.4e-106:537:96//AC005911
- 5 R-HEMBA1007194//Homo sapiens Xp22 bins 87-93 PAC RPC11-122K4 (Roswell Park Cancer Institute Human PAC Library) complete sequence//4.1e-39:262:80//AC003035  
R-HEMBA1007203//Homo sapiens mRNA for KIAA0214 protein, complete cds//5.3e-61:332:95//D86987  
R-HEMBA1007206//Homo sapiens DNA sequence from PAC 958B3 on chromosome Xp22.11-Xp22.22. Contains ESTs STS and CpG island//1.9e-50:436:81//Z93023
- 10 R-HEMBA1007224//Homo sapiens mRNA for KIAA0797 protein, partial cds//2.3e-96:471:97//AB018340  
R-HEMBA1007251//Homo sapiens chromosome 5, PAC clone 247f3 (LBNL H85), complete sequence//0.011:349:62//AC004777  
R-HEMBA1007256//Homo sapiens PAC clone DJ0676L20 from 7q35-q36, complete sequence//2.8e-10:224:70//AC004856
- 15 R-HEMBA1007267//Homo sapiens Chr.14 PAC RPC14-794B2 (Roswell Park Cancer Institute Human PAC Library) complete sequence//3.4e-53:362:86//AC005924  
R-HEMBA1007273  
R-HEMBA1007279//Rickettsia prowazekii strain Madrid E, complete genome; segment 4/4//0.042:454:57//AJ235273
- 20 R-HEMBA1007281//Rickettsia prowazekii strain Madrid E, complete genome; segment 3/4//0.99:288:60//AJ235272  
R-HEMBA1007288//Human DNA sequence from clone 422G23 on chromosome 6q24 Contains EST, STS, GSS, CpG island, complete sequence//7.4e-107:554:95//AL031003  
R-HEMBA1007300//Caenorhabditis elegans cosmid C48C5//0.22:474:59//U39994
- 25 R-HEMBA1007301  
R-HEMBA1007319//Campylobacter jejuni repetitive DNA, clone pINT//4.9e-08:524:58//Y14425  
R-HEMBA1007320//Homo sapiens genomic DNA, chromosome 21q11.1, segment 14/28, WORKING DRAFT SEQUENCE//3.4e-16:244:71//AP000043  
R-HEMBA1007322//Homo sapiens BAC clone RG324D18 from 7p15-p21, complete sequence//3.9e-83:383:85//AC005251
- 30 R-HEMBA1007327//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 7706, WORKING DRAFT SEQUENCE//1.6e-38:533:71//Z96804  
R-HEMBA1007341//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 268D13, WORKING DRAFT SEQUENCE//3.6e-21:394:66//AL023513
- 35 R-HEMBA1007342//Human BAC clone GS368F15 from 7q31, complete sequence//1.7e-15:190:73//AC003080  
R-HEMBA1007347//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone N38G6, WORKING DRAFT SEQUENCE//2.2e-47:455:77//Z96802  
R-HEMBA1000005//Homo sapiens 3p21.1-9 PAC RPC14-793P23 (Roswell Park Cancer Institute Human PAC Library) complete sequence//1.1e-62:539:79//AC006208
- 40 R-HEMBA1000008//Homo sapiens chromosome 17, clone hCIT.211\_P\_7, complete sequence//1.2e-36:285:83//AC003665  
R-HEMBA1000018//Homo sapiens clone DJ0038I10, WORKING DRAFT SEQUENCE, 5 unordered pieces//1.2e-51:416:79//AC004820  
R-HEMBA1000024//Human DNA sequence from BAC 175E3 on chromosome 22q11.2-qter. Contains ESTs, STSs and polymorphic CA repeat//3.9e-18:211:79//Z95113
- 45 R-HEMBA1000025//HS\_3064\_B2\_B07\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3064 Col=14 Row=D, genomic survey sequence//5.9e-40:254:90//AQ132765  
R-HEMBA1000030//Human DNA sequence from clone 108K11 on chromosome 6p21 Contains SRP20 (SR protein family member), Ndr protein kinase gene similar to yeast suppressor protein SRP40, EST and GSS, complete sequence//1.5e-32:452:70//Z85986
- 50 R-HEMBA1000036//CIT-HSP-2024L15.TF CIT-HSP Homo sapiens genomic clone 2024L15, genomic survey sequence//9.3e-63:541:77//B66264  
R-HEMBA1000037//Homo sapiens erythroblast macrophage protein EMP mRNA, complete cds//7.6e-91:467:97//AF084928
- 55 R-HEMBA1000039//Homo sapiens chromosome 17, clone hRPK.401\_O\_9, complete sequence//2.4e-44:456:68//AC005291  
R-HEMBA1000044//Human BAC clone RG016J04 from 7q21, complete sequence//1.4e-54:307:80//AC002064  
R-HEMBA1000048//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-279B10, complete sequence//3.8e-



- 09:330:63//AC002300  
R-HEMBB1000050//Human DNA sequence from PAC 436M11 on chromosome Xp22.11-22.2. Contains the serine threonine protein phosphatase gene PPEF1, and the first coding exon of the RS1 gene for retinoschisis (X-linked, juvenile) 1 (XLR51). Contains ESTs, an STS and GSSs, complete sequence.//6.7e-12:225:65//Z94056
- 5 R-HEMBB1000054//Human DNA sequence from clone 444C7 on chromosome 6p22.3-23. Contains an EST, an STS and GSSs, complete sequence.//8.9e-76:557:82//AL033521  
R-HEMBB1000055//Human housekeeping (Q1Z 7F5) gene, exons 2 through 7, complete cds.//1.6e-88:350:86//M81806
- 10 R-HEMBB1000059//Homo sapiens clone DJ0850I01, WORKING DRAFT SEQUENCE, 1 unordered pieces.//4.9e-12:356:65//AC006009  
R-HEMBB1000083//Homo sapiens clone DJ0607J02, WORKING DRAFT SEQUENCE, 12 unordered pieces.//3.7e-41:311:82//AC004840  
R-HEMBB1000089//Homo sapiens clone DJ1021I20, WORKING DRAFT SEQUENCE, 6 unordered pieces.//3.6e-34:314:78//AC005520
- 15 R-HEMBB1000099//Homo sapiens DNA sequence from BAC 1216H12 on chromosome 22q12. Contains a pseudogene with similarity to part of mouse Ninein and the KIAA0609 gene for a protein similar to C. elegans K09C8.4. Contains ESTs, GSSs and a ggtt repeat polymorphism, complete sequence.//8.8e-32:434:71//AL008715  
R-HEMBB1000103//Human DNA sequence from BAC 445C9 on chromosome 22q12.1. Contains CRYBB1, beta B1 crystallin, CRYBA4, beta A4 crystallin, high mobility group-1 protein (HMG-1), ESTs.//2.5e-16:207:74//Z95115
- 20 R-HEMBB1000113//HS\_3013\_A1\_B08\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3013 Col=15 Row=C, genomic survey sequence.//0.94:211:63//AQ118730  
R-HEMBB1000119//Homo sapiens ASMTL gene.//1.9e-106:531:96//Y15521  
R-HEMBB1000136//Human Chromosome X, complete sequence.//0.00073:359:59//AC002407  
R-HEMBB1000141//Homo sapiens chromosome 21q22.3 PAC 39C17, complete sequence.//6.8e-41:280:74//AF043945
- 25 R-HEMBB1000144//Homo sapiens chromosome 17, clone hCIT.507\_E\_2, complete sequence.//0.00083:206:66//AC004134  
R-HEMBB1000173//Homo sapiens, WORKING DRAFT SEQUENCE, 97 unordered pieces.//2.5e-82:401:90//AC004085
- 30 R-HEMBB1000175  
R-HEMBB1000198//Homo sapiens DNA sequence from BAC 55C20 on chromosome 6. Contains a Spinal Muscular Atrophy (SMA3) LIKE gene overlapping with a beta-glucuronidase LIKE pseudogene. Contains a membrane protein LIKE pseudogene, a Glyceraldehyde 3-phosphate dehydrogenase (GAPDH) LIKE pseudogene, five predicted tRNA genes. Contains ESTs, GSSs (BAC end sequences) and a CA repeat polymorphism, complete sequence.//0.91:428:56//AL021368
- 35 R-HEMBB1000215//Homo sapiens DNA sequence from PAC 69E11 on chromosome 1q23-24. Contains a NADH-Ubiquinone Oxidoreductase MLRQ subunit (EC 1.6.5.3, EC 1.6.99.3, CI-MLRQ) LIKE pseudogene, a 60S Ribosomal protein L34 LIKE pseudogene, an unknown gene similar to yeast YPR037W and worm C02C2.6 predicted genes, a predicted CpG island, ESTs and an STS, complete sequence.//4.4e-54:298:91//AL021397
- 40 R-HEMBB1000217  
R-HEMBB1000218//Homo sapiens 12q24 PAC RPCI1-66E7 (Roswell Park Cancer Institute Human PAC library) complete sequence.//5.8e-32:517:70//AC004216  
R-HEMBB1000226//Human DNA sequence from cosmid COS12 from a contig from the tip of the short arm of chromosome 16, spanning 2Mb of 16p13.3. Contains ESTs, Flanking sequences of 3' alpha globin HVR and CpG island.//2.5e-77:450:92//Z69706
- 45 R-HEMBB1000240//Homo sapiens chromosome 9 duplication of the T cell receptor beta locus and trypsinogen gene families.//4.1e-05:310:62//AF029308  
R-HEMBB1000244//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1112F19, WORKING DRAFT SEQUENCE.//1.3e-43:278:85//AL034420
- 50 R-HEMBB1000250//Human DNA sequence from clone 34B20 on chromosome 6p21.31-22.2. Contains seventeen Histone (pseudo)genes and a 40S Ribosomal protein S10 pseudogene. Contains ESTs, STSs and GSSs, complete sequence.//3.8e-16:484:64//AL031777 R-HEMBB1000258//Human hereditary haemochromatosis region, histone 2A-like protein gene, hereditary haemochromatosis (HLA-H) gene, RoRet gene, and sodium phosphate transporter (NPT3) gene, complete cds.//4.3e-11:286:67//U91328
- 55 R-HEMBB1000264//Mus musculus enhancer of polycomb (Epc1) mRNA, complete cds.//1.2e-42:406:79//AF079765  
R-HEMBB1000266//RPCI11-76C20.TV RPCI11 Homo sapiens genomic clone R-76C20, genomic survey sequence.//1.0:232:59//AQ265533

- R-HEM BB1000272//HS\_3032\_B1\_H06\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3032 Col=11 Row=P, genomic survey sequence//0.0082:209:62//AQ096702
- R-HEM BB1000274//Homo sapiens Chromosome 22q11.2 Cosmid Clone 817g In IGLC Region, complete sequence//1.6e-45:277:72//AC000053
- 5 R-HEM BB1000284//Homo sapiens full-length insert cDNA clone YY88A05//6.9e-112:572:96//AF088018
- R-HEM BB1000307//Homo sapiens chromosome 17, clone hRPK.471\_L\_13, complete sequence//5.7e-96:523:93//AC005244
- R-HEM BB1000312//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 32B1, WORKING DRAFT SEQUENCE//7.5e-21:218:67//AL023693
- 10 R-HEM BB1000317//Toxoplasma gondii chloroplast, complete genome//0.062:354:58//U87145
- R-HEM BB1000318//Human DNA sequence from PAC 292H14 on chromosome Xp21. Contains STS and CA repeat polymorphism//4.5e-52:302:81//AL008710
- R-HEM BB1000335//Homo sapiens chromosome 5, P1 clone 1041F10 (LBNL H88), complete sequence//1.9e-16:139:84//AC005179
- 15 R-HEM BB1000336//Homo sapiens complete genomic sequence between D16S3070 and D16S3275, containing Familial Mediterranean Fever gene disease//0.0062:231:64//AJ003147
- R-HEM BB1000337//CIT-HSP-2329010.TF CIT-HSP Homo sapiens genomic clone 2329O10, genomic survey sequence//1.2e-31:192:92//AQ035976
- R-HEM BB1000338//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-248F7, complete sequence//1.9e-39:477:71//AC004605
- 20 R-HEM BB1000339//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 862K6, WORKING DRAFT SEQUENCE//4.1e-54:357:76//AL031681
- R-HEM BB1000341//Homo sapiens 12q24 PAC RPCI3-424M6 (Roswell Park Cancer Institute Human PAC library) complete sequence//1.8e-19:501:63//AC002350
- 25 R-HEM BB1000343//Homo sapiens chromosome 16, cosmid clone 367E12 (LANL), complete sequence//3.6e-41:457:72//AC004644
- R-HEM BB1000354//Human DNA sequence from PAC 560B9 on chromosome 1q24-1q25. Contains profilin-like pseudogene, 60S ribosomal protein L4 pseudogene RNA binding protein, ESTs, GSS//7.2e-36:325:74//Z98751
- R-HEM BB1000369//Homo sapiens chromosome 4 clone B366O24 map 4q25, complete sequence//9.0e-25:179:79//AC004067
- 30 R-HEM BB1000374//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 75N14, WORKING DRAFT SEQUENCE//8.4e-58:332:79//Z97199
- R-HEM BB1000376//Homo sapiens DNA for amyloid precursor protein, complete cds//2.1e-47:309:88//D87675
- R-HEM BB1000391//Homo sapiens clone RG269P13, WORKING DRAFT SEQUENCE, 6 unordered pieces//5.7e-46:302:85//AC005080
- 35 R-HEM BB1000399//Homo sapiens Rad17-like protein (RAD17) mRNA, complete cds//1.0e-107:531:97//AF076838
- R-HEM BB1000402//Human DNA sequence from clone 505B13 on chromosome 1p36.2-36.3 Contains CA repeat and GSSs, complete sequence//1.1e-25:441:67//Z98052
- 40 R-HEM BB1000404//HS\_2246\_A2\_D01\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2246 Col=2 Row=G, genomic survey sequence//0.0025:196:63//AQ084251
- R-HEM BB1000420//Homo sapiens Chromosome 22q11.2 Cosmid Clone 817g In IGLC Region, complete sequence//1.2e-29:358:72//AC000053
- R-HEM BB1000434//Homo sapiens chromosome 4 clone B71M12 map 4q25, complete sequence//2.8e-51:299:89//AC004069
- 45 R-HEM BB1000438//HS\_2239\_B2\_E08\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2239 Col=16 Row=J, genomic survey sequence//1.3e-10:76:100//AQ067700
- R-HEM BB1000441//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 424J12, WORKING DRAFT SEQUENCE//4.4e-60:281:90//Z82207
- 50 R-HEM BB1000449//Homo sapiens clone DJ0898O18, WORKING DRAFT SEQUENCE, 8 unordered pieces//4.8e-11:228:68//AC004920
- R-HEM BB1000455//Homo sapiens clone GS051M12, complete sequence//3.1e-14:388:65//AC005007
- R-HEM BB1000472//Homo sapiens chromosome 17, clone HCIT48C15, complete sequence//4.9e-34:320:79//AC003104
- 55 R-HEM BB1000480//Human DNA sequence from Fosmid 65B7 on chromosome 22q11.2-qter. Contains exons 6-12 of the SLC5A1 (SGLT1) gene for solute carrier family 5 (sodium/glucose cotransporter) member 1 (High Affinity Sodium-Glucose Cotransporter), complete sequence//3.4e-36:285:82//Z83849
- R-HEM BB1000487

- R-HEMBB1000490//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1185N5, WORKING DRAFT SEQUENCE.//1.5e-34:281:81//AL034423
- R-HEMBB1000491//Homo sapiens DNA sequence from PAC 958B3 on chromosome Xp22.11-Xp22.22. Contains ESTs STS and CpG island.//8.5e-37:483:72//Z93023
- 5 R-HEMBB1000493//Human DNA sequence from clone 109F14 on chromosome 6p21.2-21.3. Contains the alternatively spliced gene for Transcriptional Enhancer Factor TEF-5, the 60S Ribosomal Protein RPL10A gene, a PUTATIVE ZNF127 LIKE gene, and the PPAR for Peroxisome Proliferator Activated Receptor Delta (PPAR-Delta, PPAR-Beta, Nuclear Hormone Receptor 1, NUC1, NUCI, PPARB). Contains three putative CpG islands, ESTs, STSs, GSSs and a ca repeat polymorphism, complete sequence.//7.6e-14:217:71//AL022721
- 10 R-HEMBB1000510//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 27K12, WORKING DRAFT SEQUENCE.//7.1e-44:221:80//AL033397
- R-HEMBB1000518//Human PAC clone DJ327A19 from Xq25-q26, complete sequence.//3.5e-51:280:90//AC002477
- R-HEMBB1000523//Homo sapiens PAC clone DJ0167F23 from 7p15, complete sequence.//1.7e-53:304:82//AC004079
- 15 R-HEMBB1000530//Homo sapiens chromosome 17, clone hCIT.162\_E\_12, complete sequence.//4.2e-74:428:92//AC006236
- R-HEMBB1000550//Human Chromosome 16 BAC clone CIT987SK-A-363E6, complete sequence.//5.6e-13:112:80//U91321
- 20 R-HEMBB1000554//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 409J21, WORKING DRAFT SEQUENCE.//5.1e-14:239:63//Z83824
- R-HEMBB1000556//Homo sapiens envoplakin (EVPL) mRNA, complete cds.//0.031:275:60//U53786
- R-HEMBB1000564//Homo sapiens chromosome 5, Bac clone 189 (LBNL H135), complete sequence.//3.1e-17:227:76//AC005914
- 25 R-HEMBB1000573//Borrelia afzelii (strain NT28) DNA, internal transcribed spacer.//0.078:161:63//D84405
- R-HEMBB1000575//Homo sapiens chromosome 17, clone hRPC.859\_O\_20, complete sequence.//7.2e-52:260:80//AC003695
- R-HEMBB1000586//Human DNA sequence from cosmid V210E9, between markers DXS366 and DXS87 on chromosome X.//2.0e-33:305:79//Z70280
- 30 R-HEMBB1000589//Homo sapiens chromosome 17, clone hRPK.1064\_E\_11, complete sequence.//1.3e-14:409:65//AC005208
- R-HEMBB1000591//Homo sapiens Xp22 bins 45-47 BAC GSHB-665N22 (Genome Systems Human BAC Library) complete sequence.//6.2e-39:493:71//AC005184
- R-HEMBB1000592//Homo sapiens 12p13.3 PAC RPCI5-1180D12 (Roswell Park Cancer Institute Human PAC Library) complete sequence.//1.6e-08:254:64//AC005831
- 35 R-HEMBB1000598//Homo sapiens chromosome 11 pac pDJ159ol, complete sequence.//3.3e-38:407:76//AC000381
- R-HEMBB1000623//CIT-HSP-2374P17.TR CIT-HSP Homo sapiens genomic clone 2374P17, genomic survey sequence.//1.3e-41:212:100//AQ109717
- 40 R-HEMBB1000630//Human DNA sequence from clone 413H6 on chromosome 6p22.3-24.3. Contains a hamster Androgen-dependent Expressed Protein like protein gene, ESTs and GSSs, complete sequence.//5.2e-31:319:78//AL022724
- R-HEMBB1000631//Sequence 28 from patent US 5708157.//6.8e-20:208:80//I80058
- R-HEMBB1000632//Homo sapiens Cosmid C4, WORKING DRAFT SEQUENCE, 1 ordered pieces.//7.4e-47:457:75//AC004176
- 45 R-HEMBB1000637//Human BAC clone RG094H21 from 7q21-q22, complete sequence.//2.9e-45:263:87//AC003085
- R-HEMBB1000638//Genomic sequence from Human 6, complete sequence.//9.1e-34:375:73//AC002112
- R-HEMBB1000643//HS\_2242\_A2\_B07\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2242 Col=14 Row=C, genomic survey sequence.//0.010:239:60//AQ065993
- 50 R-HEMBB1000649//Homo sapiens RBP56/hTAFII68 gene, exon 7.//8.3e-63:306:100//AB010061
- R-HEMBB1000652//Human DNA sequence from PAC 467D16 on chromosome 6p22.3-24.1. Contains the 3' part of the SCA1 (ataxin-1) gene with a poly-glutamine (CAG repeat) polymorphism, the 3' part of the GMPR (GMP reductase, Guanosine 5'-monophosphate oxidoreductase) gene, ESTs and an STS with a polymorphic CA repeat.//3.3e-14:450:64//AL009031
- 55 R-HEMBB1000665//Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MXA21, complete sequence.//0.98:251:63//AB005247
- R-HEMBB1000671//Human DNA sequence from PAC 106C24, between markers DXS294 and DXS730 on chro-

- mosome X//6.8e-58:296:85//Z83313  
 R-HEMBB1000673//CITBI-E1-2506F20.TR CITBI-E1 Homo sapiens genomic clone 2506F20, genomic survey sequence//0.98:71:76//AQ264731  
 R-HEMBB1000684//Human DNA sequence from clone 1158E12 on chromosome Xp11.23-11.4 Contains EST, STS, GSS, CpG island, complete sequence//2.6e-11:153:77//AL031584  
 R-nnnnnnnnnnn//Homo sapiens neuroan1 mRNA, complete cds//2.0e-50:287:93//AF040723  
 R-HEMBB1000705//Homo sapiens chromosome 19, cosmid R30538, complete sequence//3.4e-18:340:65//AC005943  
 R-HEMBB1000706//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 462C17, WORKING DRAFT SEQUENCE//4.7e-10:358:64//AL033380  
 R-HEMBB1000709//RPCI11-79A8.TV RPCI11 Homo sapiens genomic clone R-79A8, genomic survey sequence//1.4e-40:262:89//AQ282374  
 R-HEMBB1000725//Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MGN6, complete sequence//0.00018:386:60//AB017066  
 R-HEMBB1000726//Homo sapiens PAC clone DJ1185I07 from 7q11.23-q21, complete sequence//1.5e-48:316:88//AC004990  
 R-HEMBB1000738//Homo sapiens PAC clone DJ0745K06 from 7q31, complete sequence//7.1e-53:382:85//AC004875  
 R-HEMBB1000749//Homo sapiens clone RG140B11, WORKING DRAFT SEQUENCE, 1 unordered pieces//6.5e-51:438:80//AC005069  
 R-HEMBB1000763//Plasmid Col Ib-P9 (from E.coli K12) colicin Ib promoter region and 5' coding region//1.0:115:63//K02071  
 R-HEMBB1000770//Human Rhesus blood group antigen (RHCE) gene, intron 6, partial sequence//5.6e-24:183:86//U83205  
 R-HEMBB1000781//Homo sapiens Xp22 PACs RPC11-263P4 and RPC11-164K3 complete sequence//0.00054:154:67//AC003046  
 R-HEMBB1000789//RPCI11-2I14.TVB RPCI-11 Homo sapiens genomic clone RPCI-11-2I14, genomic survey sequence//3.0e-09:299:64//B63628  
 R-HEMBB1000790//Human Chromosome 16 BAC clone CIT987SK-A-362G6, complete sequence//4.5e-46:185:85//U95740  
 R-HEMBB1000794//HS\_3253\_A1\_G06\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3253 Col=11 Row=M, genomic survey sequence//5.7e-13:172:65//AQ216291  
 R-HEMBB1000807  
 R-HEMBB1000810//Human BAC clone RG114A06 from 7q31, complete sequence//1.3e-24:385:71//AC002542  
 R-HEMBB1000821  
 R-HEMBB1000822//CITBI-E1-2517E13.TF CITBI-E1 Homo sapiens genomic clone 2517E13, genomic survey sequence//4.5e-08:278:64//AQ279944  
 R-HEMBB1000826//Homo sapiens genomic DNA, chromosome 21q11.1, segment 14/28, WORKING DRAFT SEQUENCE//1.2e-44:521:72//AP000043  
 R-HEMBB1000827//Homo sapiens clone DJ098I007, complete sequence//6.8e-43:319:84//AC006017  
 R-HEMBB1000831//HS\_3247\_B2\_A09\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3247 Col=18 Row=B, genomic survey sequence//5.5e-74:381:96//AQ223850  
 R-HEMBB1000835//Homo sapiens DNA sequence from BAC 55C20 on chromosome 6. Contains a Spinal Muscular Atrophy (SMA3) LIKE gene overlapping with a beta-glucuronidase LIKE pseudogene. Contains a membrane protein LIKE pseudogene, a Glyceraldehyde 3-phosphate dehydrogenase (GAPDH) LIKE pseudogene, five predicted tRNA genes. Contains ESTs, GSSs (BAC end sequences) and a CA repeat polymorphism, complete sequence//4.2e-17:167:80//AL021368  
 R-HEMBB1000840//Homo sapiens clone DJ1039L24, WORKING DRAFT SEQUENCE, 3 unordered pieces//7.9e-26:220:73//AC005283  
 R-HEMBB1000848//Homo sapiens, WORKING DRAFT SEQUENCE, 52 unordered pieces//7.8e-39:356:79//AC004086  
 R-HEMBB1000852//HS\_3075\_A2\_B07\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3075 Col=14 Row=C, genomic survey sequence//3.4e-11:151:75//AQ138816  
 R-HEMBB1000870//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 72E17, WORKING DRAFT SEQUENCE//1.8e-44:454:75//AL033523  
 R-HEMBB1000876//Human DNA sequence from clone 91J24 on chromosome 6q24 Contains part of utrophin Gene, part of cytochrome C oxidase gene, EST, CpG island, complete sequence//0.0016:227:65//AL024474  
 R-HEMBB1000883//Homo sapiens chromosome 19, cosmid F19678, complete sequence//0.62:238:62//

- AC005621  
 R-HEM BB1000887//Synthetic human/adenovirus type 5 recombination junction.//9.9e-24:275:76//M34061  
 R-HEM BB1000888//CIT-HSP-2282A13.TR CIT-HSP Homo sapiens genomic clone 2282A13, genomic survey se-  
 quence.//2.4e-05:310:60//AQ000826  
 5 R-HEM BB1000890//Homo sapiens clone DJ0042M02, WORKING DRAFT SEQUENCE, 20 unordered pieces.//  
 6.5e-44:305:84//AC005995  
 R-HEM BB1000893//Homo sapiens BAC clone RG363E19 from 7q31.1, complete sequence.//3.7e-30:265:80//  
 AC004492  
 R-HEM BB1000908//RPCI11-13P12.TV RPCI-11 Homo sapiens genomic clone RPCI-11-13P12, genomic survey  
 10 sequence.//0.98:183:61//B76199  
 R-HEM BB1000910//Homo sapiens Chromosome 22q11.2 Cosmid Clone 50d10 In IGLC Region, complete se-  
 quence.//1.7e-28:302:76//AC000024  
 R-HEM BB1000913//Homo sapiens Xp22 BAC GSHB 526D21 (Genome Systems Human BAC library) complete  
 sequence.//4.1e-34:314:76//AC003037  
 15 R-HEM BB1000915//Human chromosome 16p11.2-p12 BAC clone CIT987SK-224D6 complete sequence.//6.3e-  
 09:536:59//U95739  
 R-HEM BB1000917//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 16915, WORKING  
 DRAFT SEQUENCE.//1.6e-47:234:86//Z93015  
 R-HEM BB1000927  
 20 R-HEM BB1000947//CIT-HSP-2287M13.TF CIT-HSP Homo sapiens genomic clone 2287M13, genomic survey se-  
 quence.//0.090:115:69//B99228  
 R-HEM BB1000959//Homo sapiens chromosome 17, clone HRPC905N1, complete sequence.//5.7e-89:544:90//  
 AC003098  
 R-HEM BB1000973//Arabidopsis thaliana chromosome II BAC F2I9 genomic sequence, complete sequence.//  
 25 0.038:377:58//AC005560  
 R-HEM BB1000975//Arabidopsis thaliana chromosome II BAC F5H14 genomic sequence, complete sequence.//  
 1.0e-05:342:62//AC006234  
 R-HEM BB1000981//CIT-HSP-2386J13.TF.1 CIT-HSP Homo sapiens genomic clone 2386J13, genomic survey  
 sequence.//1.1e-18:231:74//AQ239443  
 30 R-HEM BB1000985//HS\_3184\_A1\_D12\_T7 CIT Approved Human Genomic Sperm Library D. Homo sapiens ge-  
 nomic clone Plate=3184 Col=23 Row=G, genomic survey sequence.//6.3e-52:286:95//AQ150008  
 R-HEM BB1000991  
 R-HEM BB1000996//Homo sapiens Xq28 BAC PAC and cosmid clones containing FMR2 gene exons 1,2, and 3,  
 complete sequence.//1.4e-42:343:81//AC002368  
 35 R-HEM BB1001004  
 R-HEM BB1001008//CITBI-E1-2504L23.TF CITBI-E1 Homo sapiens genomic clone 2504L23, genomic survey se-  
 quence.//3.1e-57:317:94//AQ262056  
 R-HEM BB1001011//HS\_3017\_B1\_G03\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3017 Col=5 Row=N, genomic survey sequence.//7.3e-34:237:86//AQ101944  
 40 R-HEM BB1001014//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 460J8, WORKING  
 DRAFT SEQUENCE.//2.4e-49:417:80//AL031662  
 R-HEM BB1001020//Homo sapiens Xp22 BAC GS-377014 (Genome Systems Human BAC library) complete se-  
 quence.//7.6e-41:303:76//AC002549  
 R-HEM BB1001024//Homo sapiens (subclone 2\_g5 from P1 H16) DNA sequence.//7.4e-48:341:85//L48475  
 45 R-HEM BB1001037//Homo sapiens 22q11 BAC Clone 489d1 In MDR Region, complete sequence.//2.0e-50:416:  
 82//AC005527  
 R-HEM BB1001047//Homo sapiens chromosome 19, cosmid R31973, complete sequence.//8.4e-22:288:71//  
 AC004699  
 R-HEM BB1001051//H.sapiens mRNA for FAN protein.//7.1e-18:114:98//X96586  
 50 R-HEM BB1001056//Homo sapiens clone DJ0953A04, WORKING DRAFT SEQUENCE, 5 unordered pieces.//  
 6.1e-94:520:93//AC006014  
 R-HEM BB1001058//Homo sapiens clone UWGC:y17c131 from 6p21, complete sequence.//1.1e-56:242:82//  
 AC004187  
 R-HEM BB1001060//Human Tigger1 transposable element, complete consensus sequence.//4.2e-66:323:81//  
 55 U49973  
 R-HEM BB1001063//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 523G1, WORKING  
 DRAFT SEQUENCE.//4.0e-114:556:98//AL034375  
 R-HEM BB1001068//Homo sapiens liprin-beta2 mRNA, partial cds.//2.8e-105:512:97//AF034803

- R-HEM BB1001096//Human DNA sequence from PAC 246O8, between markers DXS6791 and DXS8038 on chromosome X contains ESTs.//2.4e-13:225:69//Z76735
- R-HEM BB1001102//Human DNA sequence from clone 353H6 on chromosome Xq25-26.2. Contains the alternatively spliced SMARCA1 gene for SW1/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 1 (SNF2L1) and a 40S Ribosomal Protein S26 pseudogene. Contains ESTs, STSs and GSSs, complete sequence.//2.4e-35:295:80//AL022577
- 5 R-HEM BB1001105//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 462O23, WORKING DRAFT SEQUENCE.//7.9e-46:380:80//AL031431
- R-HEM BB1001114//Homo sapiens DNA sequence from PAC 119E23 on chromosome Xq25-q27.1. Contains glypican-3 precursor (intestinal protein OCI-5) (GTR2-2),5'UTR. ESTs, STS.//1.1e-38:306:84//Z99570
- 10 R-HEM BB1001117//RPCI11-3518.TK RPCI-11 Homo sapiens genomic clone RPCI-11-3518, genomic survey sequence.//1.5e-08:67:100//AQ047113
- R-HEM BB1001119//Homo sapiens BAC clone BK085E05 from 22q12.1-qter, complete sequence.//9.0e-26:481:67//AC003071
- 15 R-HEM BB1001126//Human DNA sequence from clone 441J1 on chromosome 6p24 Contains STS, GSS, complete sequence.//0.045:127:69//Z99495
- R-HEM BB1001133//Human SS-A/Ro ribonucleoprotein autoantigen 60 kd subunit mRNA, complete cds.//5.0e-23:285:73//M25077
- R-HEM BB1001137//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 4-09, complete sequence.//2.5e-07:334:62//AL010222
- 20 R-HEM BB1001142//Human BAC clone RG164L14 from 7q21-q22, complete sequence.//2.5e-46:412:79//AC002564
- R-HEM BB1001151//Mus musculus IFN alpha-treated embryonic fibroblast mRNA.//1.8e-11:148:77//U51904
- R-HEM BB1001153//RPCI11-10L7.TP RPCI-11 Homo sapiens genomic clone RPCI-11-10L7, genomic survey sequence.//2.3e-34:213:82//B71766
- 25 R-HEM BB1001169//Homo sapiens chromosome 17, clone HCIT39G8, complete sequence.//0.040:465:56//AC003070
- R-nnnnnnnnnnnn//Sequence 1 from patent US 5618695.//2.8e-15:176:80//I40055
- R-HEM BB1001177
- 30 R-HEM BB1001182//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 4-52, complete sequence.//1.9e-05:174:70//AL010226
- R-HEM BB1001199
- R-HEM BB1001208
- R-HEM BB1001209//RPCI11-41E13.TP RPCI-11 Homo sapiens genomic clone RPCI-11-41E13, genomic survey sequence.//1.1e-95:473:97//AQ029098
- 35 R-HEM BB1001210//Homo sapiens chromosome 16, cosmid clone 330D11 (LANL), complete sequence.//6.2e-08:412:61//AC005199
- R-HEM BB1001218//RPCI11-13L8.TV RPCI-11 Homo sapiens genomic clone RPCI-11-13L8, genomic survey sequence.//1.0e-46:498:74//B75158
- 40 R-HEM BB1001221//RPCI11-62024.TJ RPCI11 Homo sapiens genomic clone R-62024, genomic survey sequence.//3.2e-09:215:68//AQ200950
- R-HEM BB1001234
- R-HEM BB1001242
- R-HEM BB1001249//Homo sapiens clone DJ1136G02, WORKING DRAFT SEQUENCE, 4 unordered pieces.//1.4e-33:361:72//AC005377
- 45 R-HEM BB1001253//Homo sapiens chromosome 3, olfactory receptor pseudogene cluster 1, complete sequence, and myosin light chain kinase (MLCK) pseudogene, partial sequence.//3.8e-105:517:98//AF042089
- R-HEM BB1001254//Methanococcus jannaschii section 3 of 150 of the complete genome.//0.96:203:61//U67461
- R-HEM BB1001267//Human DNA sequence from clone 14O9 on chromosome Xp11.1-11.4. Contains a Inter-Alpha-Trypsin Inhibitor Heavy Chain LIKE gene, a alternatively spliced Melanoma-Associated Antigen MAGE LIKE gene and a 6-Phosphofructo-2-kinase (Fructose-2,6-bisphosphatase) LIKE pseudogene. Contains ESTs, STSs and genomic marker DXS8032, complete sequence.//2.8e-39:320:80//Z98046
- 50 R-HEM BB1001271//Homo sapiens chromosome 17, clone hRPK.349\_A\_8, complete sequence.//3.9e-47:494:75//AC005544
- R-HEM BB1001282//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 184J9, WORKING DRAFT SEQUENCE.//0.0011:97:79//AL031428
- 55 R-HEM BB1001288
- R-HEM BB1001289//Homo sapiens chromosome 5, BAC clone 343g16 (LBNL H180), complete sequence.//2.0e-

31:301:78//AC005601  
R-HEMBB1001294//Homo sapiens BAC clone RG060N22 from 7q21, complete sequence.//0.053:283:60//AC003083  
R-HEMBB1001302  
5 R-HEMBB1001304//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 27K12, WORKING DRAFT SEQUENCE.//6.3e-15:396:64//AL033397  
R-HEMBB1001314//Homo sapiens genomic DNA, 21q region, clone: f30F8SpN6, genomic survey sequence.//3.4e-42:293:86//AG013777  
R-HEMBB1001315//Human NFE genomic fragment.//7.5e-30:243:78//M98511  
10 R-HEMBB1001317//Homo sapiens chromosome 17, clone hRPC.1028\_K\_7, complete sequence.//2.3e-39:301:82//AC004585  
R-HEMBB1001326//HS\_3054\_A1\_F12\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3054 Col=23 Row=K, genomic survey sequence.//0.90:117:63//AQ106096  
R-HEMBB1001331//Mus musculus mRNA for hepatoma-derived growth factor, complete cds, strain:BALB/c.//0.037:103:77//D63850  
15 R-HEMBB1001335//Homo sapiens Xp22 BAC GSHB 526D21 (Genome Systems Human BAC library) complete sequence.//9.1e-19:229:77//AC003037  
R-HEMBB1001337  
R-HEMBB1001339//Homo sapiens FSHD-associated repeat DNA, proximal region.//2.9e-45:551:72//U85056  
20 R-HEMBB1001346//Homo sapiens phenylalanine-tRNA synthetase (FARS1) mRNA, nuclear gene encoding mitochondrial protein, complete cds.//2.7e-59:292:99//AF097441  
R-HEMBB1001348//Homo sapiens clone DJ0691F11, WORKING DRAFT SEQUENCE, 11 unordered pieces.//9.1e-41:326:82//AC004859  
R-HEMBB1001356//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 424J12, WORKING DRAFT SEQUENCE.//1.8e-11:213:67//Z82207  
25 R-HEMBB1001364//HS\_3050\_A2\_F05\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3050 Col=10 Row=K, genomic survey sequence.//1.8e-21:158:91//AQ133940  
R-HEMBB1001366//Homo sapiens chromosome 10 clone CIT987SK-1188I5 map 10p11.2-10p12.1, complete sequence.//4.1e-37:419:73//AC005876  
30 R-HEMBB1001367//Human Chromosome 16 BAC clone CIT987SK-A-234F9, complete sequence.//9.5e-15:201:75//U91326  
R-HEMBB1001369//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 477J10, WORKING DRAFT SEQUENCE.//1.8e-28:224:83//AL021686  
R-HEMBB1001380//HS\_2267\_B1\_F11\_MR CIT Approved Human Genomic Sperm Library D.Homo sapiens genomic clone Plate=2267 Col=21 Row=L, genomic survey sequence.//4.0e-14:100:95//AQ084896  
35 R-HEMBB1001384//Mus musculus COP9 complex subunit 4 (COPS4) mRNA, complete cds.//9.6e-55:312:81//AF071314  
R-HEMBB1001387//Homo sapiens chromosome 9, P1 clone 8660 (LBNL H105), complete sequence.//1.0:166:63//AC003953  
40 R-HEMBB1001394//Homo sapiens chromosome 17, clone hRPK.215\_E\_13, complete sequence.//1.4e-55:494:76//AC005549  
R-HEMBB1001410//Homo sapiens PAC clone DJ1102B04 from 7q11.23-7q21, complete sequence.//0.011:208:63//AC006204  
R-HEMBB1001424//Homo sapiens, WORKING DRAFT SEQUENCE, 76 unordered pieces.//1.5e-22:325:69//AC002370  
45 R-HEMBB1001426//Homo sapiens 12q24 PAC RPCI3-424M6 (Roswell Park Cancer Institute Human PAC library) complete sequence.//1.3e-46:328:84//AC002350  
R-HEMBB1001429//\*\*\* SEQUENCING IN PROGRESS \*\*\* Homo sapiens chromosome 4, BAC clone C0481P14; HTGS phase 1, WORKING DRAFT SEQUENCE, 7 unordered pieces.//6.6e-105:550:95//AC006160  
50 R-HEMBB1001436  
R-HEMBB1001443//HS\_2228\_A1\_B05\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2228 Col=9 Row=C, genomic survey sequence.//0.37:173:62//AQ066934  
R-HEMBB1001449//Homo sapiens clone DJ1129E22, WORKING DRAFT SEQUENCE, 7 unordered pieces.//2.7e-23:339:69//AC005522  
55 R-HEMBB1001454//Homo sapiens chromosome 5, P1 clone 1307e8 (LBNL H60), complete sequence.//1.1e-39:299:84//AC005355  
R-HEMBB1001458//Plasmodium falciparum chromosome 2, section 67 of 73 of the complete sequence.//6.0e-05:486:59//AE001430

# EP 1 074 617 A2

R-HEM BB1001463//Homo sapiens PAC clone DJ0777O23 from 7p14-p15, complete sequence.//1.2e-50:317:89//AC005154  
R-HEM BB1001464//CIT-HSP-2370C10.TF CIT-HSP Homo sapiens genomic clone 2370C10, genomic survey sequence.//0.20:95:71//AQ107941  
5 R-HEM BB1001482//Mus musculus clone OST20235, genomic survey sequence.//4.3e-09:192:70//AF046762  
R-HEM BB1001500//Human DNA sequence from PAC 465G10 on chromosome X contains Menkes Disease (ATP7A) putative Cu<sup>++</sup>-transporting P-type ATPase exons 2 to 21, PGAM-B, ESTs.//1.9e-21:253:70//Z94801  
R-HEM BB1001521//Mus musculus clone OST1209, genomic survey sequence.//7.5e-30:332:75//AF046642  
R-HEM BB1001527//Homo sapiens clone DJ241P17, WORKING DRAFT SEQUENCE, 7 unordered pieces.//9.5e-55:483:76//AC005000  
10 R-HEM BB1001531//Human BAC clone 7E17 from 12q, complete sequence.//1.3e-08:159:71//AC002070  
R-HEM BB1001535//Human DNA sequence from cosmid E127C11 on chromosome 22q11.2-qter contains STS.//4.0e-30:286:79//Z74581  
R-HEM BB1001536//Homo sapiens cosmid clone LUCA16 from 3p21.3, complete sequence.//1.6e-39:342:80//U73169  
15 R-HEM BB1001537//Genomic sequence from Human 9q34, complete sequence.//3.7e-41:361:77//AC000394  
R-HEM BB1001555//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-485G10, complete sequence.//0.34:212:61//AC003049  
R-HEM BB1001562//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-328A3, complete sequence.//8.0e-40:267:88//AC002301  
20 R-HEM BB1001564//Homo sapiens clone DJ0414A15, WORKING DRAFT SEQUENCE, 9 unordered pieces.//5.1e-30:286:76//AC005225  
R-HEM BB1001565//Homo sapiens clone DJ0607J02, WORKING DRAFT SEQUENCE, 12 unordered pieces.//2.5e-15:194:75//AC004840  
R-HEM BB1001585//Human DNA sequence from clone 790B6 on chromosome 20p11.22-12.2. Contains STSs and GSSs, complete sequence.//2.6e-33:234:79//AL031677  
25 R-HEM BB1001586//Homo sapiens clone NH0479C13, WORKING DRAFT SEQUENCE, 12 unordered pieces.//2.7e-30:371:74//AC005236  
R-HEM BB1001588//Homo sapiens Xp22 GS-524I1 (Genome Systems Human BAC library), complete sequence.//8.0e-32:323:73//AC003106  
30 R-HEM BB1001603//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 4-59, complete sequence.//0.034:302:59//AL010235  
R-HEM BB1001618//Homo sapiens DNA sequence from PAC 958B3 on chromosome Xp22.11-Xp22.22. Contains ESTs STS and OpG island.//7.1e-31:503:68//Z93023  
35 R-HEM BB1001619//Homo sapiens Xq28 BAC PAC and cosmid clones containing FMR2 gene exons 1,2, and 3, complete sequence.//3.7e-50:539:72//AC002368  
R-HEM BB1001630//Human DNA sequence from PAC 121G13 on chromosome 6 contains flow sorted chromosome 6 HindIII fragment ESTs. polymorphic CA repeat, CpG island, CpG island genomic fragments.//1.3e-27:228:82//Z86062  
40 R-HEM BB1001635//Homo Sapiens Chromosome X clone bWXD90, complete sequence.//1.5e-23:407:69//AC004075  
R-HEM BB1001637//Homo sapiens Xq28 BAC PAC and cosmid clones containing FMR2 gene exons 1,2, and 3, complete sequence.//3.9e-54:519:74//AC002368  
R-HEM BB1001641//Human DNA sequence from clone 133H11 on chromosome 6p24. Contains STSs, GSSs and genomic marker D6S410, complete sequence.//1.9e-08:464:60//AL024506  
45 R-HEM BB1001653//Homo sapiens chromosome 17, clone HCIT3L16, WORKING DRAFT SEQUENCE, 7 unordered pieces.//2.8e-39:318:82//AC002344  
R-HEM BB1001665//\*\*\*ALU WARNING: Human Alu-Sp subfamily consensus sequence.//3.8e-47:283:90//U14572  
R-HEM BB1001668  
50 R-HEM BB1001673//Homo sapiens mRNA for KIAA0646 protein, complete cds.//1.8e-115:573:97//AB014546  
R-HEM BB1001684//Sequence 1 from patent US 5700927.//1.9e-40:343:77//I86429  
R-HEM BB1001685//Homo sapiens chromosome 17, clone hRPK.721\_K\_1, complete sequence.//2.6e-43:31:83//AC005411  
R-HEM BB1001695  
55 R-HEM BB1001704//CIT-HSP-2324C15.TR CIT-HSP Homo sapiens genomic clone 2324C15, genomic survey sequence.//0.0074:259:58//AQ028704  
R-HEM BB1001706//Homo sapiens clone DJ0665P05, WORKING DRAFT SEQUENCE, 5 unordered pieces.//9.1e-34:296:80//AC004851



# EP 1 074 617 A2

R-HEM BB1001707//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-319E8, complete sequence.//7.7e-32:241:76//AC004020

R-HEM BB1001717//CIT-HSP-2378C19.TF CIT-HSP Homo sapiens genomic clone 2378C19, genomic survey sequence.//4.8e-35:228:89//AQ108992

5 R-HEM BB1001735//Homo sapiens chromosome 5, BAC clone 114k9 (LBNL H94), complete sequence.//1.8e-10:80:90//AC005613

R-HEM BB1001736//CIT-HSP-2369K6.TF CIT-HSP Homo sapiens genomic clone 2369K6, genomic survey sequence.//9.9e-38:242:90//AQ075221

10 R-HEM BB1001747//Homo sapiens cosmids Qc14E2, Qc12H12, Qc11F9, Qc10G9, LA1733 and Qc17B8 from Xq28, complete sequence.//3.3e-60:366:80//U82671

R-HEM BB1001749//Homo sapiens chromosome 17, clone hRPK.259\_G\_18, complete sequence.//1.4e-60:242:92//AC005829

R-HEM BB1001753//RPC11-59J22.TK RPC11 Homo sapiens genomic clone R-59J22, genomic survey sequence.//6.2e-08:281:64//AQ200046

15 R-HEM BB1001756//Homo sapiens BAC clone RG293F17 from 7p15-p21, complete sequence.//3.1e-18:395:67//AC004130

R-HEM BB1001760//Homo sapiens genomic DNA, chromosome 21q11.1, segment 21/28, WORKING DRAFT SEQUENCE.//9.9e-18:416:64//AP000050

20 R-HEM BB1001762//Mus musculus major histocompatibility locus class II region: major histocompatibility protein class II alpha chain (IAalpha) and major histocompatibility protein class II beta chain (IEbeta) genes, complete cds; butyrophilin-like (NG9), butyrophilin-like (NG10), hypothetical protein (NG8), and butyrophilin-like (NG11) genes, partial cds; NG12 pseudogene, partial sequence; and hypothetical butyrophilin-like protein (NG13) gene, partial cds.//0.21:521:57//AF050157

R-HEM BB1001785//Torulopsis glabrata mitochondrial intergenic region ATPase 6 -ATPase 9 genes.//0.00073:189:65//X02170

25 R-HEM BB1001797//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-420 genomic sequence, WORKING DRAFT SEQUENCE, 14 unordered pieces.//0.0049:322:62//AC005140

R-HEM BB1001802//Human desmin gene, complete cds.//8.1e-95:510:93//M63391

30 R-HEM BB1001812//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 356B8, WORKING DRAFT SEQUENCE.//1.3e-71:368:96//Z98882

R-HEM BB1001816//Homo sapiens chromosome 21 PAC LLNLP704G1150Q13.//8.4e-21:164:76//AJ006996

R-HEM BB1001831//Homo sapiens PAM COOH-terminal interactor protein 1 (PCIP1) mRNA, complete cds.//1.7e-104:498:98//AF056209

35 R-HEM BB1001836//Homo sapiens chromosome 19, cosmid R26660, complete sequence.//9.2e-44:388:71//AC005328

R-HEM BB1001839

R-HEM BB1001850//Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MOP10, complete sequence.//0.00093:488:60//AB005241

40 R-HEM BB1001863//Human poly(ADP-ribose) polymerase gene, 5' end.//1.2e-16:458:65//M60436

R-HEM BB1001867//Human DNA sequence from cosmid U25D11, between markers DXS366 and DXS87 on chromosome X.//5.0e-31:399:74//Z68327

R-HEM BB1001868//Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MYN8, complete sequence.//0.26:303:59//AB020754

45 R-HEM BB1001869//Homo sapiens chromosome 17, clone hCIT529I10, complete sequence.//7.0e-37:285:85//AC002553

R-HEM BB1001872//Caenorhabditis elegans DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y44F5, WORKING DRAFT SEQUENCE.//0.093:367:58//AL009027

R-HEM BB1001874

50 R-HEM BB1001875//Lactococcus lactis DPC3147 plasmid pMRC01, complete plasmid sequence.//0.037:406:60//AE001272

R-HEM BB1001880//Homo sapiens chromosome 17, clone hRPK.235\_L\_10, complete sequence.//1.3e-49:461:77//AC005922

55 R-HEM BB1001899//Caenorhabditis elegans DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y116A8, WORKING DRAFT SEQUENCE.//0.56:295:60//Z98858

R-HEM BB1001905//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y738F9, WORKING DRAFT SEQUENCE.//1.9e-28:181:75//AL022345

R-HEM BB1001906

R-HEM BB1001908//Genomic sequence from Human 17, complete sequence.//2.9e-36:274:76//AC001231

# EP 1 074 617 A2

R-HEMBB1001910//Homo sapiens chromosome 17, clone HCIT39G8, complete sequence.//3.5e-41:408:76//AC003070  
R-HEMBB1001911//Homo sapiens \*\*\* SEQUENCING IN PROGRESS \*\*\* WORKING DRAFT SEQUENCE.//6.1e-64:310:89//AJ011929  
5 R-HEMBB1001915//Mouse mRNA for arylhydrocarbon receptor, complete cds.//2.0e-20:220:78//D38417  
R-HEMBB1001921//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1141E15, WORKING DRAFT SEQUENCE.//1.9e-47:410:80//AL034422  
R-HEMBB1001922//Homo sapiens chromosome 17, clone HCIT421K24, complete sequence.//6.2e-32:378:74//AC004099  
10 R-HEMBB1001925//Human Chromosome 11 overlapping pacs pDJ235k10 and pDJ239b22, WORKING DRAFT SEQUENCE, 17 unordered pieces.//8.2e-41:304:84//AC000406  
R-HEMBB1001930//Homo sapiens genomic DNA of 8p21.3-p22 anti-oncogene of hepatocellular colorectal and non-small cell lung cancer, segment 10/11.//8.3e-12:202:69//AB020867  
R-HEMBB1001944//P.falciparum gene for beta subunit RNA polymerase.//0.00090:264:62//X75544  
15 R-HEMBB1001945//Swietenia humilis DNA for simple tandem repeat (242bp).//0.056:224:62//AJ000408  
R-HEMBB1001947//RPC11-60L13.TJ RPC11 Homo sapiens genomic clone R-60L13, genomic survey sequence.//7.4e-23:146:94//AQ202335  
R-HEMBB1001950//Human DNA sequence from clone 415G2 on chromosome 22 Contains synapsin IIIa exon 1, EST and GSS, complete sequence.//0.57:115:68//Z83846  
20 R-HEMBB1001952//Homo Sapiens Chromosome X clone bWXD171, WORKING DRAFT SEQUENCE, 1 ordered pieces.//5.6e-36:283:84//AC004676  
R-HEMBB1001953//Homo sapiens clone NH0469M07, WORKING DRAFT SEQUENCE, 7 unordered pieces.//8.9e-60:334:82//AC005037  
R-HEMBB1001957//Homo sapiens clone RG228D17, WORKING DRAFT SEQUENCE, 2 unordered pieces.//1.9e-56:518:77//AC005077  
25 R-HEMBB1001962//Homo sapiens chromosome 16, BAC clone 462G18 (LANL), complete sequence.//3.2e-19:157:86//AC005736  
R-HEMBB1001967//Homo sapiens DNA for amyloid precursor protein, complete cds.//5.7e-68:314:89//D87675  
R-HEMBB1001973//Homo sapiens \*\*\* SEQUENCING IN PROGRESS \*\*\* from PAC E7.1 / cosmid 40M1, WORKING DRAFT SEQUENCE.//1.4e-37:484:70//AJ009617  
30 R-HEMBB1001983//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 215D11, WORKING DRAFT SEQUENCE.//2.1e-28:286:75//AL034417  
R-HEMBB1001988//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1112F19, WORKING DRAFT SEQUENCE.//6.9e-29:203:88//AL034420  
35 R-HEMBB1001990//Homo sapiens full-length insert cDNA clone ZC33G03.//7.8e-95:456:99//AF086192  
R-HEMBB1001996  
R-HEMBB1001997//Homo sapiens clone RG050N15, WORKING DRAFT SEQUENCE, 26 unordered pieces.//6.4e-26:162:83//AC005055  
R-HEMBB1002002//Human DNA sequence from PAC 2A2 on chromosome X contains ESTs.//8.2e-83:362:93//Z84816  
40 R-HEMBB1002005//Homo sapiens chromosome 3p clone RPC15-1034C16, WORKING DRAFT SEQUENCE, 45 unordered pieces.//8.5e-36:291:83//AC005903  
R-HEMBB1002009//Homo sapiens clone DJ0828F13, complete sequence.//5.6e-08:307:65//AC004904  
R-HEMBB1002015//HS-1039-A1-C10-MF.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 821 Col=19 Row=E, genomic survey sequence.//1.9e-05:375:62//B36336  
45 R-HEMBB1002042//CIT-HSP-2313E13.TF CIT-HSP Homo sapiens genomic clone 2313E13, genomic survey sequence.//0.34:241:62//AQ028389  
R-HEMBB1002043//Homo sapiens chromosome 21, P1 clone LBL#8 (LBNL H8), complete sequence.//7.4e-35:297:82//AC005612  
50 R-HEMBB1002044//Homo sapiens chromosome 5p, BAC clone 50g21 (LBNL H154), complete sequence.//5.8e-96:582:90//AC005740  
R-HEMBB1002045//Homo sapiens chromosome 19, cosmid F22676, complete sequence.//4.7e-63:575:77//AC005778  
R-HEMBB1002049//Human Chromosome X clone bWXD187, complete sequence.1/1.9e-21:384:64//AC004383  
55 R-HEMBB1002050//Homo sapiens chromosome 17, clone hRPK.112\_J\_9, complete sequence.//2.5e-37:368:76//AC005553  
R-HEMBB1002068//Homo sapiens chromosome 5, BAC clone 205e20 (LBNL H170), complete sequence.//0.30:167:65//AC004782

- R-HEMBB1002069//Homo sapiens chromosome 19, cosmid R33516, complete sequence.//2.3e-73:449:84//AC004799
- R-HEMBB1002092//Homo sapiens chromosome 17, clone hRPK.269\_G\_24, complete sequence.//3.8e-45:307:87//AC005828
- 5 R-HEMBB1002094//Homo sapiens chromosome 19, cosmid R30538, complete sequence.//3.1e-47:457:76//AC005943
- R-HEMBB1002115//HS\_2223\_B1\_G10\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2223 Col=19 Row=N, genomic survey sequence.//3.0e-58:295:98//AQ152279
- R-HEMBB1002139//\*\*\*ALU WARNING: Human Alu-Sq subfamily consensus sequence.//6.6e-49:283:93//U14573
- 10 R-HEMBB1002142//Homo sapiens clone DJ0813F11, WORKING DRAFT SEQUENCE, 5 unordered pieces.//1.1e-45:451:76//AC006006
- R-HEMBB1002152//Homo sapiens chromosome 10 clone CIT987SK-1079E16 map 10q25, complete sequence.//1.3e-57:359:81//AC005881
- R-HEMBB1002189//Human Chromosome 11 pac pDJ392a17, complete sequence.//4.5e-43:420:77//AC000385
- 15 R-HEMBB1002190//Homo sapiens clone DJ0876A24, WORKING DRAFT SEQUENCE, 6 unordered pieces.//8.2e-33:340:64//AC004913
- R-HEMBB1002193//Sequence 5 from patent US 5709858.//3.2e-23:154:92//I80846
- R-HEMBB1002217//Homo sapiens clone HS19.2 Alu-Ya5 sequence.//2.6e-52:415:81//AF015148
- R-HEMBB1002218//, complete sequence.//3.4e-17:178:82//AC005300
- 20 R-HEMBB1002232//\*\*\* SEQUENCING IN PROGRESS \*\*\* Homo sapiens chromosome 4, BAC clone C0052122; HTGS phase 1, WORKING DRAFT SEQUENCE, 4 unordered pieces.//1.6e-55:292:88//AC004599
- R-HEMBB1002247//Homo sapiens chromosome 17, clone hRPK.259\_G\_18, complete sequence.//2.9e-13:227:70//AC005829
- R-HEMBB1002249//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 455J7, WORKING DRAFT SEQUENCE.//1.1e-06:284:64//AL031733
- 25 R-HEMBB1002254//Human Chromosome X, WORKING DRAFT SEQUENCE, 6 unordered pieces.//6.3e-104:593:91//AC002415
- R-HEMBB1002255//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 292E10, WORKING DRAFT SEQUENCE.//2.1e-40:284:85//Z93930
- 30 R-HEMBB1002266//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 4-10, complete sequence.//1.3e-09:371:63//AL010216
- R-HEMBB1002280//Homo sapiens PAC clone DJ0545C24 from 7q21-q22, complete sequence.//1.3e-39:247:86//AC004534
- R-HEMBB1002300//Human Chromosome 11 Cosmid cSRL30h11, complete sequence.//4.1e-84:549:86//U73642
- 35 R-HEMBB1002306//Homo sapiens BAC clone RG136N17 from 7p15-p21, complete sequence.//2.5e-10:164:71//AC004129
- R-HEMBB1002327//Homo sapiens BAC clone GS539F22 from 7p12-p14, complete sequence.//0.39:365:59//AC005028
- R-HEMBB1002329//HS-1049-B1-D05-MR.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 771 Col=9 Row=H, genomic survey sequence.//0.96:180:58//B39313
- 40 R-HEMBB1002340//Homo sapiens PAC clone DJ0659J06 from 7q33-q35, complete sequence.//7.9e-17:258:73//AC004849
- R-HEMBB1002342//Homo sapiens mRNA for putative thioredoxin-like protein.//6.9e-96:479:97//AJ010841
- R-HEMBB1002358//Human Xp22 BAC CT-285115 (from CalTech/Research Genetics), PAC RPC11-27C22 (from Roswell Park Cancer Center), and Cosmid U35B5 (from Lawrence Livermore), complete sequence.//2.3e-53:309:83//AC002366
- 45 R-HEMBB1002359//Homo sapiens clone NH0486122, WORKING DRAFT SEQUENCE, 5 unordered pieces.//4.9e-27:350:74//AC005038
- R-HEMBB1002364//Homo sapiens Xp22 PAC RPC11-108M6 (Roswell Park Cancer Center PAC library) complete sequence.//8.6e-53:302:79//AC003036
- 50 R-HEMBB1002371//Human gene for catalase (EC 1.11.1.6) exon 11 mapping to chromosome 11, band p13.//3.2e-38:199:100//X04094
- R-HEMBB1002381//Homo sapiens (JH8) mRNA, partial cds.//3.2e-07:120:78//AF072467
- R-HEMBB1002383//Human DNA sequence from cosmid U19H10 on chromosome X. Contains ESTs and CA repeat.//0.98:351:58//AL021182
- 55 R-HEMBB1002387//HS-1052-B2-G10-MR.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 774 Col=20 Row=N, genomic survey sequence.//2.0e-07:276:67//B41091
- R-HEMBB1002415//Homo sapiens chromosome 17, clone hRPK.209\_D\_14, complete sequence.//1.4e-25:202:

- 79//AC005730  
 R-HEMBB1002425//Homo sapiens chromosome 19, cosmid R33516, complete sequence//3.6e-60:401:87//AC004799  
 R-HEMBB1002442//Homo sapiens clone UWGC:r9a from 6p21, complete sequence//3.1e-51:358:81//AC006046  
 5 R-HEMBB1002453//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 86D1, WORKING DRAFT SEQUENCE//1.4e-115:557:98//AL034349  
 R-HEMBB1002457//Human DNA sequence from clone 364I22 on chromosome Xq21.31-22.3. Contains an STS and GSSs, complete sequence//6.3e-37:338:80//AL031012  
 10 R-HEMBB1002458//Homo sapiens T-cell receptor alpha delta locus from bases 250472 to 501670 (section 2 of 5) of the Complete Nucleotide Sequence//9.7e-09:314:64//AE000659  
 R-HEMBB1002477//Arabidopsis thaliana DNA chromosome 4, BAC clone T12H17 (ESSAll project)//0.42:110:74//AL021635  
 R-HEMBB1002489//Salvelinus fontinalis microsatellite sequence SFO-12//6.6e-06:167:71//U50302  
 R-HEMBB1002492//RPCI11-74F21.TK RPCI11 Homo sapiens genomic clone R-74F21, genomic survey sequence//3.1e-14:410:63//AQ238960  
 15 R-HEMBB1002495//HS\_3220\_A2\_F07\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3220 Col=14 Row=K, genomic survey sequence//1.3e-24:137:100//AQ180762  
 R-HEMBB1002502//Homo sapiens chromosome 17, clone hRPK.346\_K\_10, complete sequence//9.6e-81:538:86//AC006120  
 20 R-HEMBB1002509//Human DNA sequence from clone 581F12 on chromosome Xq21. Contains Eukaryotic Translation Initiation Factor EIF3 P35 Subunit and 60S Ribosomal protein L22 pseudogenes. Contains ESTs, complete sequence//0.0061:482:57//AL031313  
 R-HEMBB1002510//HS\_2179\_A1\_F03\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2179 Col=5 Row=K, genomic survey sequence//6.9e-35:423:72//AQ298309  
 25 R-HEMBB1002520//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 27K12, WORKING DRAFT SEQUENCE//2.0e-62:201:85//AL033397  
 R-HEMBB1002522//Homo sapiens chromosome 5, Pac clone 61c2 (LBNL H139), complete sequence//0.99:323:58//AC004225  
 R-HEMBB1002531  
 30 R-HEMBB1002534//Homo sapiens genomic DNA, chromosome 21q22.2 (Down Syndrome region), segment 2/15, WORKING DRAFT SEQUENCE//1.0e-61:380:79//AP000009  
 R-HEMBB1002545//RPCI11-2F3.TVB RPCI-11 Homo sapiens genomic clone RPCI-11-2F3, genomic survey sequence//3.5e-12:414:63//B63283  
 R-HEMBB1002550  
 35 R-HEMBB1002556//\*\*\* SEQUENCING IN PROGRESS \*\*\* Homo sapiens chromosome 4, BAC clone C0481P14; HTGS phase 1, WORKING DRAFT SEQUENCE, 7 unordered pieces//2.6e-62:299:85//AC006160  
 R-HEMBB1002579//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1141E15, WORKING DRAFT SEQUENCE//1.7e-42:286:88//AL034422  
 R-HEMBB1002582//Homo sapiens clone DJ1119N05, complete sequence//3.0e-14:426:60//AC004968  
 40 R-HEMBB1002590//Homo sapiens clone RG132J19, complete sequence//1.1e-30:392:74//AC005163  
 R-HEMBB1002596//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 508I15, WORKING DRAFT SEQUENCE//8.5e-44:335:83//AL021707  
 R-HEMBB1002600//Homo sapiens 12p13.3 PAC RPCI5-1063M23 (Roswell Park Cancer Institute Human PAC Library) complete sequence//2.0e-105:470:96//AC005865  
 45 R-HEMBB1002601//Homo sapiens chromosome 17, clone HRPC837J1, complete sequence//1.3e-44:445:77//AC004223  
 R-HEMBB1002603//Homo sapiens clone UWGC:y23c049 from 6p21, complete sequence//7.0e-40:321:82//AC006162  
 R-HEMBB1002607//CIT-HSP-2347D7.TF CIT-HSP Homo sapiens genomic clone 2347D7, genomic survey sequence//1.1e-44:234:98//AQ060197  
 50 R-HEMBB1002610//Human Chromosome 16 BAC clone CIT987SK-A-363E6, complete sequence//7.0e-22:455:65//U91321  
 R-HEMBB1002613//Homo sapiens 12p13.3 BAC RPCI11-476M19 (Roswell Park Cancer Institute Human BAC Library) complete sequence//3.0e-72:302:85//AC005908  
 55 R-HEMBB1002614//Homo sapiens 12q13.1 PAC RPCI1-228P16 (Roswell Park Cancer Institute Human PAC Library) complete sequence//3.8e-10:512:60//AC004801  
 R-HEMBB1002617//Homo sapiens clone DJ1021I20, WORKING DRAFT SEQUENCE, 6 unordered pieces//6.8e-24:486:63//AC005520

- R-HEM BB1002623//Homo sapiens PAC clone DJ1059M17 from 7q21-q31.1, complete sequence.//2.4e-41:326:83//AC004953
- R-HEM BB1002635//Homo sapiens chromosome 12p13.3 clone RPC11-189M20, WORKING DRAFT SEQUENCE, 39 unordered pieces.//2.6e-42:360:80//AC005910
- 5 R-HEM BB1002664//Homo sapiens chromosome 21q22.3 PAC 171F15, complete sequence.//9.1e-51:335:87//AF042090
- R-HEM BB1002677//Plasmodium falciparum strain Dd2 heat shock protein 86 (HSP86), O1 (o1), O3 (o3), O2 (o2), CG8 (cg8), CG4 (cg4), CG3 (cg3), CG9 (cg9), CG1 (cg1), CG6 (cg6), chloroquine resistance candidate protein (cg2), and CG7 (cg7) genes, complete cds.//0.0011:399:59//AF030694
- 10 R-HEM BB1002683//Homo sapiens chromosome 21q22.3 PAC 171F15, complete sequence.//4.1e-55:515:76//AF042090
- R-HEM BB1002684//Human BAC clone RG066D11 from 7q22, complete sequence.//1.7e-18:504:62//AC002430
- R-HEM BB1002686//Homo sapiens full-length insert cDNA clone ZC65D06.//7.0e-85:413:99//AF086217
- R-HEM BB1002692//Homo sapiens 12p13.3 BAC RPC11-319E16 (Roswell Park Cancer Institute Human BAC Library) complete sequence.//9.8e-69:505:82//AC006206
- 15 R-HEM BB1002697//Plasmodium falciparum 3D7 chromosome 12 PFYAC812 genomic sequence, WORKING DRAFT SEQUENCE, 8 unordered pieces.//0.26:390:58//AC004153
- R-HEM BB1002699//Human NFE genomic fragment.//8.0e-32:226:79//M98511
- R-HEM BB1002702//CIT-HSP-344K23.TVC CIT-HSP Homo sapiens genomic clone 344K23, genomic survey sequence.//8.6e-43:351:8011859764
- 20 R-HEM BB1002705//Plasmodium yoelii rhopty protein, complete cds.//0.0064:454:59//L27838
- R-HEM BB1002712//Human DNA sequence from clone 505B13 on chromosome 1p36.2-36.3 Contains CA repeat and GSSs, complete sequence.//9.6e-09:187:67//Z98052
- R-MAMMA1000009//Homo sapiens clone NH0469M07, WORKING DRAFT SEQUENCE, 7 unordered pieces.//4.1e-21:201:80//AC005037
- 25 R-MAMMA1000019//Homo sapiens chromosome 21q22.2 PAC clone P169K17, complete sequence.//4.2e-48:306:82//AF015720
- R-MAMMA1000020//Human DNA sequence from clone 551E13 on chromosome Xp11.2-11.3 Contains farnesyl pyrophosphate synthetase pseudogene, VT4 protein pseudogene, EST, GSS, complete sequence.//1.4e-41:306:86//AL022163
- 30 R-MAMMA1000025//Human DNA sequence from clone 512B11 on chromosome 6p24-25. Contains the Desmoplakin I (DPI) gene, ESTs, STSs and GSSs, complete sequence.//6.1e-36:281:83//AL031058
- R-MAMMA1000043//Homo sapiens Chromosome 22q11.2 Cosmid Clone 8c In DGCR Region, complete sequence.//1.3e-67:321:88//AC000090
- 35 R-MAMMA1000045//Homo sapiens chromosome 4 clone B220G8 map 4q21, complete sequence.//6.7e-86:559:86//AC004054
- R-MAMMA1000055//Branta canadensis CA dinucleotide repeat locus Bcamicr01.//0.79:63:77//AF025889
- R-MAMMA1000057//Homo sapiens DNA sequence from cosmid ICK0721Q on chromosome 6. Contains a 60S Ribosomal Protein L35A LIKE pseudogene, a gene coding for a 60S Ribosomal Protein L12 LIKE protein in an intron of the HSET gene coding for a Kinesin related protein, the PHF1 (PHF2) gene coding for alternative splice products PHD finger proteins 1 and 2, the gene coding for five different alternatively spliced mRNAs coding for a protein similar to CYTA (CYCY) and identical to a polypeptide coded for by a known patented cDNA, and the first two exons of the gene coding for the human homolog of the rat synaptic ras GTPase-activating protein p135 SynGAP. Contains three predicted CpG islands, ESTs and an STS, complete sequence.//1.6e-53:397:83//AL021366
- 45 R-MAMMA1000069//Homo sapiens clone RG052H06, WORKING DRAFT SEQUENCE, 11 unordered pieces.//2.0e-37:295:83//AC005057
- R-MAMMA1000084//Homo sapiens chromosome Xp22-135-136 clone GSHB-56711, WORKING DRAFT SEQUENCE, 35 unordered pieces.//7.1e-45:296:88//AC005867
- 50 R-MAMMA1000085
- R-MAMMA1000092//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 774G10, WORKING DRAFT SEQUENCE.//8.2e-34:539:69//AL034410
- R-MAMMA1000103//Homo sapiens chromosome 17, clone hCIT.91\_J\_4, complete sequence.//3.4e-39:297:85//AC003976
- 55 R-MAMMA1000117//Homo sapiens p47-phox (NCF1) pseudogene, clone P38, exon 5.//2.6e-07:162:67//U69641
- R-MAMMA1000129//Homo sapiens clone DJ076B20, WORKING DRAFT SEQUENCE, 6 unordered pieces.//6.1e-13:141:80//AC004882
- R-MAMMA1000133

- R-MAMMA1000134//Homo sapiens chromosome 19, cosmid R26660, complete sequence.//9.7e-18:171:80//AC005328
- R-MAMMA1000139//Homo sapiens clone DJ241P17, WORKING DRAFT SEQUENCE, 7 unordered pieces.//1.2e-49:366:75//AC005000
- 5 R-MAMMA1000143//Homo sapiens \*\*\* SEQUENCING IN PROGRESS \*\*\* from PAC D9.2, WORKING DRAFT SEQUENCE.//3.9e-56:318:89//AJ009615
- R-MAMMA1000155//Human DNA sequence from clone 323M22 on chromosome 22q13.1-13.2. Contains the 5' part of the human ortholog of chicken P52 and mouse H74, and a novel gene coding for a protein similar to KIAA0173 and worm Tubulin Tyrosine Ligase. Contains ESTs, STSs, GSSs, genomic marker D22S418 and putative CpG islands, complete sequence.//2.1e-68:562:78//AL022476
- 10 R-MAMMA1000163//Homo sapiens clone RG315H11, WORKING DRAFT SEQUENCE, 5 unordered pieces.//5.3e-06:408:58//AC005089
- R-MAMMA1000171//CIT-HSP-2335L20.TR CIT-HSP Homo sapiens genomic clone 2335L20, genomic survey sequence.//1.5e-42:173:89//AQ037381
- 15 R-MAMMA1000173
- R-MAMMA1000175//H.sapiens CpG island DNA genomic MseI fragment, clone 186c5, reverse read cpg186c5.rt1b.//0.072:90:72//Z57594
- R-MAMMA1000183//Homo sapiens Xp22 BAC GSHB-184P14 (Genome Systems Human BAC library) complete sequence.//1.5e-44:445:75//AC004552
- 20 R-MAMMA1000198//Homo sapiens clone c102D0968, complete sequence.//1.9e-23:135:85//AF038667
- R-MAMMA1000221//HS\_3242\_B2\_H02\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3242 Col=4 Row=P, genomic survey sequence.//0.031:167:67//AQ220385
- R-MAMMA1000227//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1071N3, WORKING DRAFT SEQUENCE.//4.5e-36:487:71//AL031728
- 25 R-MAMMA1000241//Homo sapiens DNA sequence from PAC 93L7 on chromosome Xq21. Contains part of the CHM (TCD, REP1) gene coding for RAB Escort protein 1 (REP-1, RAB proteins geranylgeranyltransferase component A 1, Choroideraemia protein, Tapetochoroidal Dystrophy (TCD) protein). Contains ESTs and an STS, complete sequence.//6.2e-07:445:59//AL022401
- R-MAMMA1000251//Homo sapiens chromosome 19, cosmid F23465, complete sequence.//1.6e-25:390:69//AC005266
- 30 R-MAMMA1000254//Homo sapiens DNA sequence from BAC 1216H12 on chromosome 22q12. Contains a pseudogene with similarity to part of mouse Ninein and the KIAA0609 gene for a protein similar to C. elegans K09C8.4. Contains ESTs, GSSs and a ggtt repeat polymorphism, complete sequence.//1.1e-37:327:80//AL008715
- R-MAMMA1000257//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1125A11, WORKING DRAFT SEQUENCE.//1.3e-22:281:74//AL034549
- 35 R-MAMMA1000264//\*\*\* SEQUENCING IN PROGRESS \*\*\* EPM1/APECED region of chromosome 21, clones A68E8, B127P21, B173L3, B23N8, C1242C9, C579E2, A70B6, B159G9, B175D10, B52C10, C124G1 Note: Sequencing in this region has been discontinued by the Stanford Human Genome Center, WORKING DRAFT SEQUENCE, 50 unordered pieces.//1.7e-29:337:67//AC003656
- 40 R-MAMMA1000266//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 681N20, WORKING DRAFT SEQUENCE.//7.7e-37:339:80//AL031670
- R-MAMMA1000270//Human Chromosome 16 BAC clone CIT987SK-A-270G1, complete sequence.//1.2e-40:283:86//AF001549
- R-MAMMA1000277//CIT-HSP-516K6.TP CIT-HSP Homo sapiens genomic clone 516K6, genomic survey sequence.//3.0e-29:265:80//B49900
- 45 R-MAMMA1000278//Sequence 25 from patent US 5708157.//2.6e-39:282:82//I80056
- R-MAMMA1000279//Homo sapiens chromosome 16, cosmid clone 390H2 (LANL), complete sequence.//1.6e-52:295:84//AC004494
- R-MAMMA1000284//CITBI-E1-2522B20.TF CITBI-E1 Homo sapiens genomic clone 2522B20, genomic survey sequence.//1.8e-11:288:61//AQ280722
- 50 R-MAMMA1000287
- R-MAMMA1000302//Homo sapiens chromosome 17, clone hRPK.112\_J\_9, complete sequence.//4.1e-16:169:77//AC005553
- R-MAMMA1000307//RPCI11-89L1.TV RPCI11 Homo sapiens genomic clone R-89L1, genomic survey sequence.//1.3e-86:429:97//AQ284795
- 55 R-MAMMA1000309//Homo sapiens hJAG2.del-E6 (JAG2) mRNA, alternatively spliced isoform of Jagged2, complete cds.//0.00020:384:60//AF029779
- R-MAMMA1000312//Ichneutes sp. 16S ribosomal RNA gene, partial sequence.//0.0026:310:60//AF003518

R-MAMMA1000313//Human cosmid Xq28\_IA649, complete sequence.//1.5e-26:317:67//U82694  
 R-MAMMA1000331//Homo sapiens clone DJ1007F24, WORKING DRAFT SEQUENCE, 5 unordered pieces.//  
 3.1e-39:277:86//AC004947  
 R-MAMMA1000339//Homo sapiens clone HS19.1 Alu-Ya5 sequence.//3.2e-44:180:89//AF015147  
 5 R-MAMMA1000340//Plasmodium falciparum chromosome 2, section 25 of 73 of the complete sequence.//0.97:  
 293:64//AE001388  
 R-MAMMA1000348//Homo sapiens BAC129, complete sequence.//4.4e-27:365:72//U85195  
 R-MAMMA1000356//Drosophila melanogaster DNA sequence (P1 DS02252 (D97)), complete sequence.//0.73:  
 332:61//AC002493  
 10 R-MAMMA1000360//Homo sapiens PAC clone DJ0905J08 from 7p12-p14, complete sequence.//4.6e-80:279:89//  
 AC005189  
 R-MAMMA1000361//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 753D4, WORKING  
 DRAFT SEQUENCE.//7.8e-18:346:63//AL031676  
 R-MAMMA1000372//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y214H10, WORK-  
 15 ING DRAFT SEQUENCE.//5.3e-40:299:83//AL022344  
 R-MAMMA1000385//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 310013, WORKING  
 DRAFT SEQUENCE.//1.0e-28:225:84//AL031658  
 R-MAMMA1000388//CIT-HSP-2321D3.TR CIT-HSP Homo sapiens genomic clone 2321D3, genomic survey se-  
 quence.//4.7e-60:298:99//AQ038102  
 20 R-MAMMA1000395  
 R-MAMMA1000402//Homo sapiens PAC clone DJ1107K12 from 7p12-p14, complete sequence.//1.4e-84:276:88//  
 AC004692  
 R-MAMMA1000410//Human Chromosome 16 BAC clone CIT987SK-A-211C6, complete sequence.//6.7e-35:360:  
 76//AC002394  
 25 R-MAMMA1000413//Homo sapiens chromosome 17, clone hRPC.842\_A\_23, complete sequence.//3.1e-69:327:  
 79//AC004662  
 R-MAMMA1000414//Homo sapiens DNA sequence from PAC 164L12 on chromosome Xq13.1-Xq21.2. Contains  
 GSS (BAC end sequence), STS.//3.6e-41:180:87//AL009028  
 R-MAMMA1000416//Homo sapiens clone DJ1136G02, WORKING DRAFT SEQUENCE, 4 unordered pieces.//  
 30 3.1e-59:478:77//AC005377  
 R-MAMMA1000421//Human coxVib gene, last exon and flanking sequence.//5.3e-53:294:82//X58139  
 R-MAMMA1000422//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 8B22, WORKING  
 DRAFT SEQUENCE.//1.0:252:59//AL031737  
 R-MAMMA1000423//Homo sapiens clone DA0065G23, complete sequence.//2.0e-50:491:76//AC004816  
 35 R-MAMMA1000424//Human DNA sequence from PAC 507115 on chromosome Xq26.3-27.3. Contains 60S ribos-  
 omal protein L44 (L41, L36) like gene, ESTs, STSs and a polymorphic CA repeat.//3.5e-40:340:80//Z98950  
 R-MAMMA1000429//Mus musculus SDP8 mRNA, complete cds.//0.0019:87:79//AF062484  
 R-MAMMA1000431//Homo sapiens clone DJ0098O22, WORKING DRAFT SEQUENCE, 5 unordered pieces.//  
 2.0e-58:564:77//AC004821  
 40 R-MAMMA1000444//Human BAC clone RG126M09 from 7q21-q22, complete sequence.//3.0e-43:328:83//  
 AC002067  
 R-MAMMA1000446//Human chromosome X clone Qc15B1, complete sequence.//0.95:209:65//U82672  
 R-MAMMA1000458//Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MXK3, complete sequence.//  
 0.99:182:61//AB019236  
 45 R-MAMMA1000468  
 R-MAMMA1000472//Homo sapiens genomic DNA, 21q region, clone: 655M9N34, genomic survey sequence.//  
 1.0e-38:142:88//AG010148  
 R-MAMMA1000478//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 16915, WORKING  
 DRAFT SEQUENCE.//1.3e-37:286:83//Z93015  
 50 R-MAMMA1000483//CIT-HSP-384B14.TR CIT-HSP Homo sapiens genomic clone 384B14, genomic survey se-  
 quence.//4.3e-34:158:86//B54637  
 R-MAMMA1000490//Homo sapiens chromosome 19, BAC CIT-B-191n6, complete sequence.//4.2e-98:569:90//  
 AC006130  
 R-MAMMA1000500//Human BRCA1, Rho7 and vat1 genes, complete cds, and ipf35 gene, partial cds.//1.2e-41:  
 334:79//L78833  
 55 R-MAMMA1000501//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 153G14, WORK-  
 ING DRAFT SEQUENCE.//1.4e-38:250:84//AL031118  
 R-MAMMA1000516//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 424J12, WORKING

# EP 1 074 617 A2

DRAFT SEQUENCE.//1.3e-43:318:83//Z82207  
R-MAMMA1000522//Human DNA sequence from clone 739H11 on chromosome 1p33-34.2 Contains KIAA0237 gene, EST, STS, GSS, complete sequence.//4.4e-13:202:73//AL031289  
R-MAMMA1000559//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 169I5, WORKING DRAFT SEQUENCE.//2.2e-30:245:83//Z93015  
5 R-MAMMA1000565//Homo sapiens chromosome 10 clone LA10NC01\_183\_B\_7 map 10q24, WORKING DRAFT SEQUENCE, 1 ordered pieces.//3.6e-39:281:80//U82205  
R-MAMMA1000567//Rattus norvegicus nonmuscle caldesmon mRNA, complete cds.//9.2e-19:216:76//U18419  
R-MAMMA1000576  
10 R-MAMMA1000583//Homo sapiens chromosome 17, clone hRPK.112\_H\_10, complete sequence.//5.4e-53:297:85//AC005666  
R-MAMMA1000585//Homo sapiens clone DJ1015P16, WORKING DRAFT SEQUENCE, 4 unordered pieces.//1.2e-35:450:71//AC006018  
R-MAMMA1000594//Homo sapiens \*\*\* SEQUENCING IN PROGRESS \*\*\* from cosmid 5L5, WORKING DRAFT SEQUENCE.//4.3e-26:293:75//AJ009613  
15 R-MAMMA1000597//CIT-HSP-2341F4.TF CIT-HSP Homo sapiens genomic clone 2341F4, genomic survey sequence.//0.83:110:70//AQ057131  
R-MAMMA1000605//Homo sapiens clone DJ1090E20, WORKING DRAFT SEQUENCE, 4 unordered pieces.//2.6e-50:290:86//AC004956  
20 R-MAMMA1000612//CIT-HSP-2334J18.TF CIT-HSP Homo sapiens genomic clone 2334J18, genomic survey sequence.//0.76:132:65//AQ038364  
R-MAMMA1000616//Ibalia leucospoides mitochondrion 16S rRNA gene, partial sequence.//6.8e-06:431:59//U06970  
R-MAMMA1000621//Human NBR2 mRNA, complete cds.//5.3e-27:258:80//U88573  
25 R-MAMMA1000623  
R-MAMMA1000625//Homo sapiens chromosome 19, cosmid R31665, complete sequence.//3.3e-07:325:63//AC005498  
R-MAMMA1000643//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 39B17, WORKING DRAFT SEQUENCE.//1.4e-06:236:68//AL023656  
30 R-MAMMA1000664//\*\*\* SEQUENCING IN PROGRESS \*\*\* Homo sapiens chromosome 4, BAC clone C0326F06; HTGS phase 1, WORKING DRAFT SEQUENCE, 16 unordered pieces.//1.4e-40:338:81//AC004555  
R-MAMMA1000669//Human DNA sequence from clone 453C12 on chromosome 20q12-13.12 Contains SDC4 (syndecan 4 (amphiglycan, ryudocan)) predicts a gene like the mouse transcription factor RBP-L, MATN4 (matrilin-4) STS, GSS, CpG island, complete sequence.//1.2e-46:327:86//AL021578  
35 R-MAMMA1000670  
R-MAMMA1000672//Human DNA sequence from clone 478D8 on chromosome 6p24. Contains STSs and GSSs, complete sequence.//2.2e-29:328:76//AL031785  
R-MAMMA1000684//Mus musculus frizzled-1 mRNA, complete cds.//0.21:247:63//AF054623  
R-MAMMA1000696//Human Chromosome X clone bWXd173, WORKING DRAFT SEQUENCE, 2 ordered pieces.//2.7e-46:464:71//AC004387  
40 R-MAMMA1000707//Homo sapiens clone RG219E16, WORKING DRAFT SEQUENCE, 3 unordered pieces.//3.4e-09:244:66//AC005075  
R-MAMMA1000713//Homo sapiens clone DJ0425I02, WORKING DRAFT SEQUENCE, 5 unordered pieces.//3.7e-51:439:74//AC005478  
45 R-MAMMA1000714//Homo sapiens BAC clone RG152H24 from 7p15-p21, complete sequence.//2.8e-29:288:75//AC004694  
R-MAMMA1000718//Human Xp22 BAC CT-285I15 (from CalTech/Research Genetics) , PAC RPC11-27C22 (from Roswell Park Cancer Center), and Cosmid U35B5 (from Lawrence Livermore), complete sequence.//3.0e-37:231:91//AC002366  
50 R-MAMMA1000720//Homo sapiens chromosome 19, cosmid R33632, complete sequence.//1.4e-35:299:81//AC005781  
R-MAMMA1000723//Human DNA sequence from clone 551E13 on chromosome Xp11.2-11.3 Contains farnesyl pyrophosphate synthetase pseudogene, VT4 protein pseudogene, EST, GSS, complete sequence.//3.9e-59:409:79//AL022163  
55 R-MAMMA1000731//Homo sapiens clone RG228D17, WORKING DRAFT SEQUENCE, 2 unordered pieces.//9.4e-29:560:66//AC005077  
R-MAMMA1000732//Homo sapiens clone DJ0539M06, WORKING DRAFT SEQUENCE, 10 unordered pieces.//2.4e-14:309:68//AC004832



R-MAMMA1000733//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 732E4, WORKING DRAFT SEQUENCE.//4.1e-29:377:71//AL008722  
 R-MAMMA1000734//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 191J18, WORKING DRAFT SEQUENCE.//2.0e-108:420:99//AL024507  
 5 R-MAMMA1000738//Human V beta T-cell receptor (TCRBV) gene locus.//6.6e-41:347:82//U03115  
 R-MAMMA1000744//T27O8-T7 TAMU Arabidopsis thaliana genomic clone T27O8, genomic survey sequence.//0.095:367:60//B20150  
 R-MAMMA1000746//\*\*\* SEQUENCING IN PROGRESS \*\*\* Homo sapiens chromosome 4, BAC clone C0135005; HTGS phase 1, WORKING DRAFT SEQUENCE, 23 unordered pieces.//7.4e-95:569:87//AC004661  
 10 R-MAMMA1000752//Homo sapiens BAC clone BK085E05 from 22q12.1-qter, complete sequence.//1.3e-48:295:84//AC003071  
 R-MAMMA1000760//Human DNA sequence from clone B79B4 on chromosome 22 Contains CA repeat and GSS, complete sequence.//5.7e-45:347:82//Z82178  
 R-MAMMA1000761//Homo sapiens cosmid clone LUCA16 from 3p21.3, complete sequence.//1.1e-32:292:80//U73169  
 15 R-MAMMA1000775//Homo sapiens chromosome 17, clone hRPK.22\_N\_12, WORKING DRAFT SEQUENCE, 2 ordered pieces.//2.5e-50:467:79//AC005412  
 R-MAMMA1000776//Human BAC clone GS552A01 from 7q21-q22, complete sequence.//1.0e-63:429:79//AC002454  
 20 R-MAMMA1000778//Human DNA sequence from 4PTEL, Huntington's Disease Region, chromosome 4p16.3.//3.5e-25:234:81//Z95704  
 R-MAMMA1000782//Human DNA sequence from clone 459L4 on chromosome 6p22.3-24.1 Contains EST, STS, GSS, complete sequence.//0.0021:119:74//AL031120  
 R-MAMMA1000798//Homo sapiens 959 kb contig between AML1 and CBR1 on chromosome 21q22, segment 2/3.//6.3e-08:269:64//AJ229042  
 25 R-MAMMA1000802//Homo sapiens chromosome 19, cosmid R33729, complete sequence.//1.1e-36:261:80//AC005339  
 R-MAMMA1000831//CIT-HSP-2387J3.TF.1 CIT-HSP Homo sapiens genomic clone 2387J3, genomic survey sequence.//0.68:156:65//AQ240807  
 30 R-MAMMA1000839//Homo sapiens chromosome 17, clone hRPK.726\_O\_12, WORKING DRAFT SEQUENCE, 6 unordered pieces.//4.6e-50:335:86//AC005517  
 R-MAMMA1000841//Human Chromosome 16 BAC clone CIT987SK-A-972D3, complete sequence.//1.3e-40:322:77//U91323  
 R-MAMMA1000842//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 341D10, WORKING DRAFT SEQUENCE.//4.1e-44:471:74//Z97985  
 35 R-MAMMA1000843//Homo sapiens clone 82F9, WORKING DRAFT SEQUENCE, 4 unordered pieces.//0.85:394:60//AC004815  
 R-MAMMA1000845//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from MAL1P1, WORKING DRAFT SEQUENCE.//0.54:303:63//AL031744  
 40 R-MAMMA1000851//Homo sapiens chromosome X, MeCP2 locus, complete sequence.//1.7e-10:115:83//AF030876  
 R-MAMMA1000855//Homo sapiens PAC clone 278C19 from 12q, complete sequence.//5.0e-44:352:83//AC004263  
 R-MAMMA1000856//Homo sapiens chromosome 19, cosmid F24200, complete sequence.//1.8e-10:149:74//AC00461  
 45 R-MAMMA1000862//Hepatitis C virus genomic RNA, 3' nontranslated region, partial sequence. clone #16.//8.1e-05:205:66//AF009075  
 R-MAMMA1000863//Homo sapiens Xp22 Cosmids U15E4, U115H5, U132E12, U115B9 (Lawrence Livermore human cosmid library) complete sequence.//2.9e-49:421:80//AC002364  
 50 R-MAMMA1000865//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-328A3, complete sequence.//9.1e-41:302:83//AC002301  
 R-MAMMA1000867//Human BRCA1, Rho7 and vat1 genes, complete cds, and ipf35 gene, partial cds.//1.9e-17:500:61//L78833  
 R-MAMMA1000875//Homo sapiens chromosome 16, cosmid clone RT99 (LANL), complete sequenced.//1.2e-17:211:74//AC004653  
 55 R-MAMMA1000876//Homo sapiens Xp22 BAC GS-607H18 (Genome Systems Human BAC library) complete sequence.//4.7e-09:160:65//AC003658  
 R-MAMMA1000877//Homo sapiens DNA sequence from PAC 958B3 on chromosome Xp22.11-Xp22.22. Contains

# EP 1 074 617 A2

ESTs STS and CpG island//3.2e-34:354:75//Z93023  
R-MAMMA1000880//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-575C2, complete sequence//1.4e-41:411:74//AC002425  
R-MAMMA1000883  
5 R-MAMMA1000897  
R-MAMMA1000905//Homo sapiens chromosome 5, P1 clone 274A11 (LBNL H66), complete sequence//1.3e-73:304:91//AC004506  
R-MAMMA1000906//Human DNA from chromosome 19-specific cosmid F14150, genomic sequence, complete sequence//8.4e-23:194:83//AC003110  
10 R-MAMMA1000908//Human Chromosome 15q26.1 PAC clone pDJ416i6, complete sequence//1.5e-09:170:71//AC003024  
R-MAMMA1000914//Homo sapiens PAC clone DJ0740L10 from 7p13-p14, complete sequence//8.3e-13:323:67//AC005247  
R-MAMMA1000921//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 423B22, WORKING DRAFT SEQUENCE//6.8e-28:333:72//AL034379  
15 R-MAMMA1000931//HS\_3227\_B1\_B03\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3227 Col=5 Row=D, genomic survey sequence//1.4e-55:443:79//AQ191777  
R-MAMMA1000940//Homo sapiens clone RG013F03, WORKING DRAFT SEQUENCE, 6 unordered pieces//2.0e-43:340:84//AC005046  
20 R-MAMMA1000941//Homo sapiens chromosome 17, clone 297N7, complete sequence//1.8e-53:330:84//AC002347  
R-MAMMA1000942//Human Chromosome X clone bWXD187, complete sequence//1.2e-39:391:74//AC004383  
R-MAMMA1000943//Human PAC clone DJ327A19 from Xq25-q26, complete sequence//4.6e-75:566:81//AC002477  
25 R-MAMMA1000956//Plasmodium falciparum MAL3P7, complete sequence//0.013:285:59//AL034559  
R-MAMMA1000957//Homo sapiens clone RG339C12, WORKING DRAFT SEQUENCE, 10 unordered pieces//5.2e-45:288:90//AC005096  
R-MAMMA1000962//Homo sapiens clone DJ0756H11, WORKING DRAFT SEQUENCE, 5 unordered pieces//2.9e-108:561:96//AC006001  
30 R-MAMMA1000968//Homo sapiens PAC clone 278C19 from 12q, complete sequence//3.9e-41:287:87//AC004263  
R-MAMMA1000975//Homo sapiens DNA sequence from PAC 179N16 on chromosome 6p21.1-21.33. Contains the SAPK4 (MAPK p38delta) gene, and the alternatively spliced SAPK2 gene coding for CSaids binding protein CSBP2 and a MAPK p38beta LIKE protein. Contains ESTs, STSs and two predicted CpG islands, complete sequence//9.4e-65:542:79//Z95152  
35 R-MAMMA1000979//Homo sapiens chromosome 21q22.3, PAC clones 314N7, 225L15, BAC clone 7B7, complete sequence bases 1..333303//3.2e-34:296:80//AJ011930  
R-MAMMA1000987//Homo sapiens CC chemokine gene cluster, complete sequence//1.7e-40:255:87//AF088219  
R-MAMMA1000998//Homo sapiens PAC clone DJ1152D16 from Xq23, complete sequence//2.5e-39:315:73//AC005190  
40 R-MAMMA1001003//Homo sapiens chromosome 10 clone CIT-HSP-1338F24 map 10p11.2-10p12.1, complete sequence//2.4e-52:296:84//AC006101  
R-MAMMA1001008//Homo sapiens \*\*\* SEQUENCING IN PROGRESS \*\*\* , WORKING DRAFT SEQUENCE//7.9e-88:432:98//AJ011929  
45 R-MAMMA1001021//Homo sapiens PAC clone DJ0859M06 from 7q11, complete sequence//3.8e-39:286:87//AC004910  
R-MAMMA1001024//Homo sapiens clone DJ0876A24, WORKING DRAFT SEQUENCE, 6 unordered pieces//2.0e-31:274:80//AC004913  
R-MAMMA1001030//Homo sapiens full-length insert cDNA clone ZD96C01//3.2e-99:469:99//AF088074  
50 R-MAMMA1001035//RPCI-1-46G8Sp6 RPCI-1 Homo sapiens genomic clone RPCI-1-46G8Sp6, genomic survey sequence//3.5e-49:270:90//AQ275285  
R-MAMMA1001038//Homo sapiens chromosome 3, olfactory receptor pseudogene cluster 1, complete sequence, and myosin light chain kinase (MLCK) pseudogene, partial sequence//1.1e-41:285:87//AF042089  
R-nnnnnnnnnnnnn  
55 R-MAMMA1001050//Homo sapiens genomic DNA, 237 kb segment from 6p21.3 region including HLA genes, WORKING DRAFT SEQUENCE//1.3e-55:334:91//D84394  
R-MAMMA1001059//Mouse RNA helicase and RNA-dependent ATPase from the DEAD box family mRNA, complete cds//1.7e-51:481:77//L25125

R-MAMMA1001067//CIT-HSP-2371K20.TF CIT-HSP Homo sapiens genomic clone 2371K20, genomic survey sequence.//7.2e-65:946:95//AQ111326  
 R-MAMMA1001073  
 5 R-MAMMA1001074//Homo sapiens BAC clone NH0400O10 from Y, complete sequence.//8.6e-33:457:69//AC006040  
 R-MAMMA1001075//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-248F7, complete sequence.//0.15:325:62//AC004605  
 R-MAMMA1001078//Homo sapiens chromosome 5, BAC clone 203o13 (LBNL H155), complete sequence.//1.6e-45:344:84//AC005609  
 10 R-MAMMA1001082//Human genomic DNA sequence from clone 308O1 on chromosome Xp11.3-11.4. Contains EST, CA repeat, STS, GSS, CpG island.//8.5e-15:413:64//Z93403  
 R-MAMMA1001091//Sequence 7 from patent US 5468610.//0.0027:159:64//I15499  
 R-MAMMA1001092//Homo sapiens chromosome 17, clone hRPK.372\_K\_20, complete sequence.//2.0e-51:267:82//AC005951  
 15 R-MAMMA1001105//Homo sapiens DNA sequence from PAC 119E23 on chromosome Xq25-q27.1. Contains glypican-3 precursor (intestinal protein OCI-5) (GTR2-2),5'UTR. ESTs, STS.//6.9e-22:178:85//Z99570  
 R-MAMMA1001110//Homo sapiens chromosome 17, clone HRPC1169K15, complete sequence.//3.0e-19:141:81//AC003963  
 R-MAMMA1001126//Human DNA from overlapping chromosome 7 PAC and P1 clones containing the XRCC2 gene, genomic sequence, complete sequence.//2.2e-46:462:75//AC003109  
 20 R-MAMMA1001133//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 120G22, WORKING DRAFT SEQUENCE.//1.8e-68:455:86//AL031847  
 R-MAMMA1001139//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y738F9, WORKING DRAFT SEQUENCE.//7.1e-09:100:84//AL022345  
 25 R-MAMMA1001143//Papio hamadryas lipoprotein lipase (LPL) gene, intron 7.//1.9e-49:362:85//U73684  
 R-MAMMA1001145//Homo sapiens chromosome 17, clone hRPK.235\_I\_10, complete sequence.//9.5e-49:512:74//AC005922  
 R-MAMMA1001154//Homo sapiens Chromosome 16 BAC clone CIT987-SKA-88D1 ~complete genomic sequence, complete sequence.//1.5e-29:305:76//AC002289  
 30 R-MAMMA1001161//Human DNA sequence from clone 681J21 on chromosome 1q23.2-24.3 Contains CpG island, complete sequence.//1.1e-64:339:90//AL031286  
 R-MAMMA1001162//Human DNA from cosmid DNA MMDb (f10080) and MMDc (f13544) from chromosome 19q13.3 (obtained by automated sequence analysis).//3.4e-09:243:64//M89651  
 R-MAMMA1001181//Human Chromosome X clone bWXd173, WORKING DRAFT SEQUENCE, 2 ordered pieces.//3.7e-29:351:74//AC004387  
 35 R-MAMMA1001186//Homo sapiens chromosome 19, cosmid R28778, complete sequence.//2.2e-25:415:68//AC006125  
 R-MAMMA1001191//Homo sapiens T-cell receptor alpha delta locus from bases 1000498 to 1071650 (section 5 of 5) of the Complete Nucleotide Sequence.//0.99:243:61//AE000662  
 40 R-MAMMA1001198//Mus musculus eps15R mRNA, complete cds.//8.0e-57:223:86//U29156  
 R-MAMMA1001202//Mus musculus clone OST13722, genomic survey sequence.//1.0e-30:220:85//AF046748  
 R-MAMMA1001203//Homo sapiens chromosome 17, clone hRPK.22\_N\_12, WORKING DRAFT SEQUENCE, 2 ordered pieces.//8.9e-61:567:78//AC005412  
 45 R-MAMMA1001206//Homo sapiens chromosome 5, P1 clone 854b11 (LBNL H44), complete sequence.//4.6e-08:442:61//AC004763  
 R-MAMMA1001215//Homo sapiens chromosome 19, CIT-HSP BAC 470n8, complete sequence.//1.3e-117:564:97//AC005393  
 R-MAMMA1001220//HS-1023-A1-G10-MR.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 802 Col=19 Row=M, genomic survey sequence.//6.0e-16:276:68//B33708  
 50 R-MAMMA1001222//F17E12TFB IGF Arabidopsis thaliana genomic clone F17E12, genomic survey sequence.//0.041:277:61//B97762  
 R-MAMMA1001243  
 R-MAMMA1001244//HS-1058-A2-G01-MF.abi CIT Human Genomic Sperm Library C Homo-sapiens genomic clone Plate=CT 780 Col=2 Row=M, genomic survey sequence.//3.5e-05:104:74//B43862  
 55 R-MAMMA1001249//H.sapiens DNA for matrix attachment region.//0.0013:95:75//Z54221  
 R-MAMMA1001256//Human BAC clone GS188P18, complete sequence.//3.4e-32:356:74//AC000115  
 R-MAMMA1001259  
 R-MAMMA1001260//Homo sapiens mRNA for KIAA0661 protein, complete cds.//6.3e-20:226:75//AB014561

R-MAMMA1001268//Human DNA sequence from PAC 225D2 on chromosome Xq21. Contains ESTs, CA repeat//1.1e-47:352:85//Z95124  
R-MAMMA1001271  
5 R-MAMMA1001274//H.sapiens DNA for trapped exon (ID HMC07C06), genomic survey sequence//3.1e-40:232:93//X88457  
R-MAMMA1001280//Homo sapiens full-length insert cDNA clone YW26C09//1.9e-112:574:95//AF087976  
R-MAMMA1001292//Human DNA sequence from clone 1170K4 on chromosome 22q12.2-13.1. Contains three novel genes, one of which codes for a Trypsin family protein with class A LDL receptor domains, and the IL2RB gene for Interleukin 2 Receptor, Beta (IL-2 Receptor, CD122 antigen). Contains a putative CpG island, ESTs, and  
10 GSSs, complete sequence//2.9e-114:582:96//AL022314  
R-MAMMA1001296//Human DNA sequence from PAC 487J7 on chromosome 6q21-22.1. Contains an unknown gene coding for three alternative mRNAs. Contains ESTs, STSs, a BAC end-sequence (GSS) and a CA repeat polymorphism//1.9e-64:268:88//AL008730  
R-MAMMA1001298//Homo sapiens chromosome 17, clone hRPK.849\_N\_15, complete sequence//1.5e-38:306:83//AC005703  
15 R-MAMMA1001305//Human DNA sequence from PAC 127B20 on chromosome 22q11.2-qter, contains gene for GTPase-activating protein similar to rhoGAP protein. ribosomal protein L6 pseudogene, ESTs and CA repeat//1.5e-37:306:82//Z83838  
R-MAMMA1001322//Homo sapiens DNA sequence from PAC 434O14 on chromosome 1q32.3.-41. Contains the  
20 HSD11B1 gene for Hydroxysteroid (11-beta) Dehydrogenase 1, the ADORA2BP adenosine A2b receptor LIKE pseudogene, the IRF6 gene for Interferon Regulatory Factor 6 and two novel genes. Contains ESTs and GSSs, complete sequence//2.4e-15:260:71//AL022398  
R-MAMMA1001324//Homo sapiens chromosome 19, cosmid F23269, complete sequence//4.0e-06:90:83//AC005614  
25 R-MAMMA1001330//Human BAC clone RG066D11 from 7q22, complete sequence//1.4e-45:439:74//AC002430  
R-MAMMA1001341//Human DNA sequence from PAC 211D12 on chromosome 20q12-13.2. Contains Krs-2, K+ channel protein, stress responsive//1.3e-24:137:81//Z93016  
R-MAMMA1001343//Human Chromosome 16 BAC clone CIT987SK-A-17E1, complete sequence//5.4e-51:197:89//AC002041  
30 R-MAMMA1001346//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-233A8, complete sequence//0.99:182:64//AC004685  
R-MAMMA1001383//Homo sapiens clone 82F9, WORKING DRAFT SEQUENCE, 4 unordered pieces//1.9e-42:303:86//AC004815  
R-MAMMA1001388//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 508115, WORKING  
35 DRAFT SEQUENCE//1.5e-44:324:83//AL021707  
R-MAMMA1001397//Homo sapiens genomic DNA, chromosome 21q11.1, segment 15/28, WORKING DRAFT SE-  
QUENCE//2.0e-39:254:89//AP000044  
R-MAMMA1001408//Homo sapiens chromosome 12q24.1, WORKING DRAFT SEQUENCE, 33 unordered piec-  
es//9.4e-36:251:88//AC005805  
40 R-MAMMA1001411//T15F1-T7.1 TAMU Arabidopsis thaliana genomic clone T15F1, genomic survey sequence//1.0:98:71//AQ248928  
R-MAMMA1001419//Homo sapiens translation initiation factor 4e mRNA, complete cds//4.8e-18:117:96//AF038957  
R-MAMMA1001420//Homo sapiens chromosome 5, P1 clone 1041F10 (LBNL H88), complete sequence//2.8e-  
45 09:377:63//AC005179  
R-MAMMA1001435//S.pombe chromosome I cosmid c26H5//1.0:356:59//Z99126  
R-MAMMA1001442//Homo sapiens chromosome 4 clone B150J4 map 4q25, complete sequence//3.4e-17:259:72//AC004047  
R-MAMMA1001446//Homo sapiens BAC clone RG139P11 from 7q11-q21, complete sequence//2.9e-17:231:71//  
50 AC004491  
R-MAMMA1001452//Human DNA sequence from clone 452M16 on chromosome Xq21.1-21.33 Contains capping protein alpha subunit isoform 1 pseudogene, STS, GSS, and CA repeat, complete sequence//6.1e-50:558:73//AL024493  
R-MAMMA1001465//cSRL-2F3-u cSRL flow sorted Chromosome 11 specific cosmid Homo sapiens genomic clone  
55 cSRL-2F3, genomic survey sequence//3.0e-23:141:96//B04295  
R-MAMMA1001476//Mus musculus uridine kinase mRNA, partial cds//3.4e-09:309:64//L31783  
R-MAMMA1001487//Homo sapiens chromosome 17, clone hRPC.1108\_L\_11, complete sequence//5.1e-30:286:79//AC005206

R-MAMMA1001501  
 R-MAMMA1001502//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 356B7, WORKING DRAFT SEQUENCE.//4.3e-19:349:64//AL031714  
 R-MAMMA1001510  
 5 R-MAMMA1001522//Homo sapiens chromosome 5, BAC clone 24h24 (LBNL H194), complete sequence//1.5e-09:136:75//AC005352  
 R-MAMMA1001547//Human Chromosome X, complete sequence.//3.5e-40:300:84//AC002418  
 R-MAMMA1001551//Human DNA sequence from PAC 426I6 on chromosome 1p34.1-1p35. Contains NIPP-1-like gene a nuclear inhibitor of protein phosphatase-1, ESTs, and a CA repeat.//1.1e-57:282:89//AL020997  
 10 R-MAMMA1001575  
 R-MAMMA1001576//Human gamma-tubulin mRNA, complete cds.//7.6e-60:530:78//M61764  
 R-MAMMA1001590//Homo sapiens Bruton's tyrosine kinase (BTK), alpha-D-galactosidase A (GLA), L44-like ribosomal protein (L44L) and FTP3 (FTP3) genes, complete cds.//1.3e-29:161:86//U78027  
 R-MAMMA1001600//Homo sapiens 12q24 PAC RPC11-66E7 (Roswell Park Cancer Institute Human PAC library) complete sequence.//2.1e-18:390:66//AC004216  
 15 R-MAMMA1001604//Human DNA sequence from clone 1042K10 on chromosome 22q13.1-13.2. Contains the ADSL gene for Adenylosuccinate lyase (EC 4.3.2.2, Adenylosuccinase, ASL) and 4 novel genes (one with probable rabGAP domains and Src homology domain 3). Contains ESTs, STSs, GSSs and a putative CpG island, complete sequence.//1.0:227:62//AL022238  
 20 R-MAMMA1001606//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 228H13, WORKING DRAFT SEQUENCE.//1.3e-17:219:69//AL031985  
 R-MAMMA1001620//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1018D12, WORKING DRAFT SEQUENCE.//2.1e-51:298:84//AL031650  
 R-MAMMA1001627//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 229A8, WORKING DRAFT SEQUENCE.//7.8e-45:328:85//Z86090  
 25 R-MAMMA1001630//, complete sequence.//2.5e-08:170:72//AC005399  
 R-MAMMA1001633//Homo sapiens chromosome 10 clone CIT987SK-1057L21 map 10q25, complete sequence.//2.2e-21:241:70//AC005386  
 R-MAMMA1001635//Homo sapiens DNA sequence from PAC 230G1 on chromosome Xp11.3. Contains EST, STS and GSS, complete sequence.//1.1e-32:346:74//Z84466  
 30 R-MAMMA1001649  
 R-MAMMA1001663//Homo sapiens clone 162B15, complete sequence.//9.4e-68:267:89//AC004811  
 R-MAMMA1001670//Human DNA sequence from PAC 75N13 on chromosome Xq21.1. Contains ZNF6 like gene, ESTs, STSs and CpG islands.//1.7e-49:322:88//Z82216  
 35 R-MAMMA1001671//Homo sapiens chromosome 19, cosmid F23269, complete sequence.//2.4e-114:575:96//AC005614  
 R-MAMMA1001679//CIT-HSP-2335N4.TF CIT-HSP Homo sapiens genomic clone 2335N4, genomic survey sequence.//2.4e-82:400:99//AQ037393  
 R-MAMMA1001683//Homo sapiens Chromosome 7 BAC Clone 239c10, WORKING DRAFT SEQUENCE, 9 unordered pieces.//5.7e-47:533:72//AC004166  
 40 R-MAMMA1001686//Homo sapiens chromosome 19, CIT-HSP-444n24, complete sequence.//6.6e-12:194:72//AC005261  
 R-MAMMA1001692//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y738F9, WORKING DRAFT SEQUENCE.//9.6e-44:414:77//AL022345  
 45 R-MAMMA1001711//Homo sapiens clone BAC 9H13 chromosome 8 map 8q21, complete sequence.//3.1e-31:436:70//AF110324  
 R-MAMMA1001715//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 73E16, WORKING DRAFT SEQUENCE.//8.8e-76:524:84//Z95330  
 R-MAMMA1001730  
 50 R-MAMMA1001735//Cricetulus griseus (chinese hamster) mRNA for beta tubulin (clone B9T), partial.//2.7e-13:382:63//X60786  
 R-MAMMA1001740//Homo sapiens genomic DNA, chromosome 21q11.1, segment 21/28, WORKING DRAFT SEQUENCE.//3.9e-47:318:87//AP000050  
 R-MAMMA1001743//Homo sapiens clone DJ0981O07, complete sequence.//4.0e-108:566:95//AC006017  
 55 R-MAMMA1001744  
 R-MAMMA1001745//Homo sapiens BAC clone 529F11 from 8q21, complete sequence.//3.5e-113:564:97//AF070718  
 R-MAMMA1001751//Homo sapiens chromosome 19, cosmid R27328, complete sequence.//3.6e-30:312:75//

- AC005625  
 R-MAMMA1001754//Bos taurus vacuolar proton pump subunit SFD alpha isoform (SFD) mRNA, complete cds//  
 4.7e-34:320:77//AF041338  
 R-MAMMA1001757//Homo sapiens chromosome 17, clone hRPC.4\_G\_17, complete sequence//4.7e-10:244:67//  
 5 AC003688  
 R-MAMMA1001760//RPCI11-38L16.TV RPCI-11 Homo sapiens genomic clone RPCI-11-38L16, genomic survey  
 sequence//1.3e-10:236:64//AQ029432  
 R-MAMMA1001764//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-420 genomic sequence, WORKING  
 DRAFT SEQUENCE, 14 unordered pieces//0.74:361:60//AC005140  
 10 R-MAMMA1001768//Homo sapiens chromosome 17, clone hRPK.147\_L\_13, complete sequence//1.6e-42:416:  
 76//AC005332  
 R-MAMMA1001769//Homo sapiens chromosome 17, clone hRPC.1073\_F\_15, complete sequence//1.4e-13:129:  
 83//AC004686  
 R-MAMMA1001771//M.musculus mRNA for semaphorin B//1.1e-34:530:69//X85991  
 15 R-MAMMA1001783//Homo sapiens Chromosome 2 BAC Clone 376a1, WORKING DRAFT SEQUENCE, 17 un-  
 ordered pieces//1.1e-42:282:85//AC000360  
 R-MAMMA1001785//Human chromosome 16p13.11 BAC clone CIT987SK-98H8 complete sequence//3.0e-49:  
 282:86//U91319  
 R-MAMMA1001788  
 20 R-MAMMA1001790//Homo sapiens clone DJ0876A24, WORKING DRAFT SEQUENCE, 6 unordered pieces//  
 9.8e-43:530:71//AC004913  
 R-MAMMA1001806//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-319E8, complete sequence//1.8e-  
 43:324:79//AC004020  
 R-MAMMA1001812//Plasmodium falciparum chromosome 2, section 69 of 73 of the complete sequence//0.65:  
 25 183:63//AE001432  
 R-MAMMA1001815//Homo sapiens clone GS223D04, WORKING DRAFT SEQUENCE, 3 unordered pieces//  
 1.1e-10:417:62//AC005018  
 R-MAMMA1001817//Homo sapiens Xp22-83 BAC GSHB-324M7 (Genome Systems Human BAC Library) com-  
 plete sequence//2.6e-40:313:84//AC005859  
 30 R-MAMMA1001818  
 R-MAMMA1001820//Homo sapiens, WORKING DRAFT SEQUENCE, 52 unordered pieces//2.2e-45:340:82//  
 AC004086  
 R-MAMMA1001824//Homo sapiens clone DJ1107K15, WORKING DRAFT SEQUENCE, 8 unordered pieces//  
 1.9e-53:291:85//AC004966  
 35 R-MAMMA1001836//HS\_3164\_B1\_A02\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3164 Col=3 Row=B, genomic survey sequence//6.5e-08:79:89//AQ185484  
 R-MAMMA1001837//Homo sapiens chromosome 19, overlapping cosmids F18547, F11133, R27945, R28830 and  
 R32804, complete sequence//8.4e-55:309:85//AC003682  
 R-MAMMA1001848//Homo sapiens PAC clone DJ0296G17 from Xq23, complete sequence//1.6e-16:125:90//  
 40 AC006144  
 R-MAMMA1001851//Genomic sequence from Human 9q34, WORKING DRAFT SEQUENCE, 2 unordered piec-  
 es//2.4e-50:516:74//AC002099  
 R-MAMMA1001854//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-575C2, complete sequence//1.7e-  
 38:308:82//AC002425  
 45 R-MAMMA1001858//Human Xq13 3' end of PAC 92E23 containing the X inactivation transcript (XIST) gene, com-  
 plete sequence//6.5e-50:283:86//U80460  
 R-MAMMA1001864//Human Chromosome 15q26.1 PAC clone pDJ398g19, WORKING DRAFT SEQUENCE, 21  
 unordered pieces//3.4e-36:224:86//AC005143  
 R-nnnnnnnnnnnn//Plasmodium falciparum chromosome 2, section 54 of 73 of the complete sequence//1.4e-11:  
 50 495:63//AE001417  
 R-MAMMA1001874//Human chromosome 1 BAC 308G1 genomic sequence, WORKING DRAFT SEQUENCE, 3  
 unordered pieces//3.2e-42:446:76//AC003117  
 R-MAMMA1001878//Human DNA sequence from PAC 431A14 on chromosome 6p21. Contains CYCLOPHILIN  
 (PEPTIDYLPROLYL ISOMERASE) like and CIP1 (WAF1, CDKNA1, CDKN1, MDA-6, SDI1, PIC1, CAP20) genes.  
 55 Contains probable GTPase and receptor genes and ESTs, STSs and CpG islands//6.9e-44:391:78//Z85996  
 R-MAMMA1001880//Human DNA sequence from fosmid F77D12 on chromosome 22q12-qter contains ESTs,  
 tRNA//1.3e-15:181:76//Z82097  
 R-MAMMA1001890//Homo sapiens Chromosome 16 BAC clone CIT987-SKA-670B5 ~complete genomic se-

quence, complete sequence.//1.7e-43:283:86//AC002303  
 R-MAMMA1001907//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 385E7, WORKING  
 DRAFT SEQUENCE.//1.4e-48:420:79//AL031720  
 R-nnnnnnnnnnn//Saccharomyces cerevisiae chromosome IV cosmid 9481.//2.9e-14:505:60//U28373  
 5 R-MAMMA1001931//Homo sapiens NACP/alpha-synuclein gene, allele A0, intron 4, partial sequence.//0.51:162:  
 63//AF041008  
 R-MAMMA1001956//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 50O24, WORKING  
 DRAFT SEQUENCE.//1.4e-51:422:79//AL034380  
 R-MAMMA1001963//Homo sapiens clone HS19.3 Alu-Ya5 sequence.//1.9e-31:163:91//AF015149  
 10 R-MAMMA1001969//Human DNA from chromosome 19 cosmid F19410, genomic sequence, complete se-  
 quence.//8.7e-10:186:76//AC002128  
 R-MAMMA1001970//Homo sapiens BAC clone BK085E05 from 22q12.1-qter, complete sequence.//1.0e-62:298:  
 86//AC003071  
 R-MAMMA1001992//Human Chromosome 15q26.1 PAC clone pDJ460g16, WORKING DRAFT SEQUENCE, 3  
 15 unordered pieces.//1.8e-44:525:72//AC004581  
 R-MAMMA1002009//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 109G6, WORKING  
 DRAFT SEQUENCE.//1.4e-43:282:79//AL023879  
 R-MAMMA1002011  
 R-MAMMA1002032//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 469D22, WORKING  
 DRAFT SEQUENCE.//1.1e-39:310:84//AL031284  
 20 R-MAMMA1002033//Homo sapiens chromosome 5, Pac clone 162o17 (LBNL H147), complete sequence.//2.5e-  
 17:170:81//AC003954  
 R-MAMMA1002041//Homo sapiens PAC clone DJ0728D04, complete sequence.//8.7e-79:296:85//AC004865  
 R-MAMMA1002042//Human chromosome 16 BAC clone CIT987SK-A-962B4, complete sequence.//8.8e-46:386:  
 25 80//U91318  
 R-MAMMA1002047//Human chromosome 16 BAC clone CIT987SK-A-962B4, complete sequence.//1.9e-32:326:  
 75//U91318  
 R-MAMMA1002056//Homo sapiens chromosome 17, clone hRPK.506\_H\_21, complete sequence.//6.6e-48:367:  
 82//AC005962  
 30 R-MAMMA1002058//Homo sapiens clone RG038K21, WORKING DRAFT SEQUENCE, 3 unordered pieces.//  
 0.25:139:69//AC005052  
 R-MAMMA1002068//Homo Sapiens Chromosome X clone bWXD171, WORKING DRAFT SEQUENCE, 1 ordered  
 pieces.//2.2e-45:406:78//AC004676  
 R-MAMMA1002078//Homo sapiens chromosome 17, clone hRPK.401\_O\_9, complete sequence.//2.3e-22:357:  
 35 64//AC005291  
 R-MAMMA1002082//Homo sapiens PAC clone 278C19 from 12q, complete sequence.//2.5e-38:304:82//  
 AC004263  
 R-MAMMA1002084//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1174N9, WORKING  
 DRAFT SEQUENCE.//8.9e-41:319:83//AL031602  
 40 R-MAMMA1002093//CIT-HSP-2060J9.TF CIT-HSP Homo sapiens genomic clone 2060J9, genomic survey se-  
 quence.//9.7e-17:129:88//B69983  
 R-MAMMA1002108  
 R-MAMMA1002118//Human DNA sequence from cosmid E116C6, on chromosome 22 Contains ESTs, complete  
 sequence.//0.94:168:64//Z73495  
 45 R-MAMMA1002125//Homo sapiens chromosome 17, clone hRPK.63\_A\_1, complete sequence.//4.8e-40:313:83//  
 AC005670  
 R-MAMMA1002132//Homo sapiens PAC clone DJ1059M17 from 7q21-q31.1, complete sequence.//2.0e-70:461:  
 83//AC004953  
 R-MAMMA1002140//Human DNA sequence from PAC 465G10 on chromosome X contains Menkes Disease  
 (ATP7A) putative Cu<sup>++</sup>-transporting P-type ATPase exons 2 to 21, PGAM-B, ESTs.//1.1e-32:477:73//Z94801  
 50 R-MAMMA1002143//Homo sapiens platelet-activating factor acetylhydrolase gene, promoter region and exon 1.//  
 6.6e-06:130:73//AF027357  
 R-MAMMA1002145//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 126A5, WORKING  
 DRAFT SEQUENCE.//6.0e-19:242:73//AL031447  
 55 R-MAMMA1002153//\*\*\* SEQUENCING IN PROGRESS \*\*\* Homo sapiens chromosome 4, BAC clone C0281M17;  
 HTGS phase 1, WORKING DRAFT SEQUENCE, 3 unordered pieces.//2.1e-51:291:75//AC006052  
 R-MAMMA1002155//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 608E8, WORKING  
 DRAFT SEQUENCE.//1.2e-53:461:79//AL022343

# EP 1 074 617 A2

R-MAMMA1002156//Homo sapiens PAC clone DJ130H16 from 22q12.1-qter, complete sequence//5.1e-37:305:82//AC004997

R-MAMMA1002158//Human DNA sequence from clone 1049G16 on chromosome 20q12-13.2 Contains gene similar to GLUCOSAMINE-6-SULFATASE, a nuclear receptor coactivator gene, ESTs, STSs, GSSs, complete sequence//8.1e-34:296:81//AL034418

5 R-MAMMA1002170//Human DNA sequence from clone 1163J1 on chromosome 22q13.2-13.33. Contains the 3' part of a gene for the ortholog of mouse transmembrane receptor Celsr1, a novel gene for a protein similar to C. elegans B0035.16 and bacterial tRNA (5-Methylaminomethyl-2-thiouridylate)-Methyltransferases, and the 3' part of a novel gene for a protein similar to mouse B99. Contains ESTs, GSSs and putative CpG islands, complete sequence//7.9e-39:332:82//AL031588

10 R-MAMMA1002174//Homo sapiens chromosome 10 clone CIT987SK-1109P11, complete sequence//4.4e-12:189:72//AC005871

R-MAMMA1002198//Homo sapiens clone DJ0800G07, complete sequence//1.1e-48:338:81//AC004890

R-MAMMA1002209//Homo sapiens chromosome 17, clone hRPK.156\_L\_14, complete sequence//1.2e-23:269:74//AC005821

15 R-MAMMA1002215//Homo sapiens clone GS250N06, WORKING DRAFT SEQUENCE, 5 unordered pieces//3.2e-12:243:68//AC005158

R-MAMMA1002219//Homo sapiens 12p13.3 RPCI4-773N5 (Roswell Park Cancer Institute Human PAC library) complete sequence//3.3e-45:295:88//AC004802

20 R-MAMMA1002230//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 423B22, WORKING DRAFT SEQUENCE//7.3e-41:385:78//AL034379

R-MAMMA1002236//Rattus norvegicus initiation factor eIF-2B gamma subunit (eIF-2B gamma) mRNA, complete cds//7.3e-45:363:79//U38253

R-MAMMA1002243//Homo sapiens chromosome 17, clone hRPK.112\_H\_10, complete sequence//2.8e-119:582:98//AC005666

25 R-MAMMA1002250//Homo sapiens chromosome 16, P1 clone 109-9G (LANL), complete sequence//4.7e-42:319:84//AC005600

R-MAMMA1002267//Homo sapiens chromosome 17, clone hRPK.346\_K\_10, complete sequence//1.5e-33:571:67//AC006120

30 R-MAMMA1002268//Mus musculus sphingosine kinase (SPHK1b) mRNA, complete cds//2.3e-35:462:70//AF068749

R-MAMMA1002269//345I17.TV CIT978SKA1 Homo sapiens genomic clone A-345I17, genomic survey sequence//4.7e-05:153:69//B15590

R-MAMMA1002282//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 112K5, WORKING DRAFT SEQUENCE//8.5e-37:467:71//Z85987

35 R-MAMMA1002292//Hordeum vulgare lipoxygenase 2 (LoxC) mRNA, complete cds//0.074:178:61//L37358

R-MAMMA1002293//Homo sapiens chromosome 16, cosmid clone RT167 (LANL), complete sequence//5.8e-26:355:71//AC005568

R-MAMMA1002294//Homo sapiens chromosome 17, clone hRPC.1110\_E\_20, complete sequence//1.2e-35:281:82//AC004231

40 R-MAMMA1002297//Human DNA sequence from cosmid L174G8, Huntington's Disease Region, chromosome 4p16.3//6.7e-48:381:80//Z69375

R-MAMMA1002298//Homo sapiens BAC clone RG208H19 from 7q11.23, complete sequence//.8e-17:296:70//AC005074

45 R-MAMMA1002299//HS\_3116\_A2\_F07\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3116 Col=14 Row=K, genomic survey sequence//4.1e-60:354:91//AQ140526

R-MAMMA1002308

R-MAMMA1002310//Human DNA sequence from cosmid B10B1 on chromosome 22 Contains ESTs, CA repeat and STS, complete sequence//9.9e-35:283:83//Z73979

50 R-MAMMA1002311//Homo sapiens Xp22-150 BAC GSHB-309P15 (Genome Systems Human BAC Library) complete sequence//1.3e-86:503:90//AC006210

R-MAMMA1002312//H.sapiens gene encoding La autoantigen//1.3e-23:382:67//X97869

R-MAMMA1002317//Human DNA sequence from clone 48G12 on chromosome Xq27.1-27.3. Contains STSs and GSSs, complete sequence//1.3e-59:323:87//AL031054

55 R-MAMMA1002319//Homo sapiens chromosome 19, fosmid 39347, complete sequence//2.2e-106:522:98//AC005756

R-MAMMA1002322//Homo sapiens genomic DNA, chromosome 21q11.1, segment 13/28, WORKING DRAFT SEQUENCE//2.3e-48:452:76//AP000042



- R-MAMMA1002329//M.musculus mRNA for semaphorin B.//2.0e-12:210:73//X85991
- R-MAMMA1002332//Homo sapiens PAC clone DJ1139I01 from Xq23, complete sequence.//3.4e-46:393:71//AC004973
- 5 R-MAMMA1002333//HS\_3245\_A1\_B04\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3245 Col=7 Row=C, genomic survey sequence.//3.1e-21:146:92//AQ205759
- R-MAMMA1002339//Human Chromosome 16 BAC clone CIT987SK-A-270G1, complete sequence.//9.7e-39:310:79//AF001549
- R-MAMMA1002347//Homo sapiens 12q24.1 PAC RPCI3-305I20 (Roswell Park Cancer Institute Human PAC Library) complete sequence.//1.2e-46:443:76//AC006088
- 10 R-MAMMA1002351//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1059H15, WORKING DRAFT SEQUENCE.//1.1e-90:553:89//AL022100
- R-MAMMA1002352//Homo sapiens mRNA for leukemia associated gene 2.//8.8e-81:388:92//Y15228
- R-MAMMA1002353//Homo sapiens 12q24 BAC RPCI11-162P23 (Roswell Park Cancer Institute Human BAC library) complete sequence.//5.5e-35:302:80//AC002996
- 15 R-MAMMA1002355//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 222E13, WORKING DRAFT SEQUENCE.//5.4e-52:361:76//Z93241
- R-MAMMA1002356//Homo sapiens chromosome 17, clone hRPC.842\_A\_23, complete sequence.//8.3e-28:187:91//AC004662
- R-MAMMA1002359//Human DNA sequence from cosmid L118D5, Huntington's Disease Region, chromosome 4p16.3 contains CpG islands.//6.3e-47:297:85//268869
- 20 R-MAMMA1002360//HS\_2163\_B2\_C08\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2163 Col=16 Row=F, genomic survey sequence.//1.5e-20:374:66//AQ125213
- R-MAMMA1002361//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 349A12, WORKING DRAFT SEQUENCE.//2.2e-35:264:85//AL033520
- 25 R-MAMMA1002362//H.sapiens PEX gene.//1.8e-40:243:86//Y10196
- R-MAMMA1002380//RPCI11-73J4.TJ RPCI11 Homo sapiens genomic clone R-73J4, genomic survey sequence.//1.7e-38:295:77//AQ268168
- R-MAMMA1002384//Homo sapiens 12q13.1 PAC RPCI1-228P16 (Roswell Park Cancer Institute Human PAC Library) complete sequence.//2.5e-37:311:81//AC004801
- 30 R-MAMMA1002385
- R-MAMMA1002392//Human BAC clone RG066D11 from 7q22, complete sequence.//2.0e-37:365:77//AC002430
- R-MAMMA1002411//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 64K7, WORKING DRAFT SEQUENCE.//9.4e-22:496:65//AL031668
- 35 R-MAMMA1002413//Homo sapient 12q24.2 PAC RPCI1-157K6 (Roswell Park Cancer Institute Human PAC library) complete sequence.//2.3e-15:153:77//AC005146
- R-MAMMA1002417//Human DNA sequence from PAC 426I6 on chromosome 1p34.1-1p35. Contains NIPP-1-like gene a nuclear inhibitor of protein phosphatase-1, ESTs, and a CA repeat.//1.8e-23:508:62//AL020997
- R-MAMMA1002427//Human Chromosome 16 BAC clone CIT987SK-A-363E6, complete sequence.//2.5e-37:288:84//U91321
- 40 R-MAMMA1002428//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1185N5, WORKING DRAFT SEQUENCE.//6.0e-05:130:75//AL034423
- R-MAMMA1002434//Homo sapiens DNA sequence from PAC 380E11 on chromosome 6p22.3-p24. Contains HB15 gene, ESTs, CA repeat, STS and GSS.//4.8e-18:205:78//AL022396
- R-MAMMA1002446//CIT-HSP-2021L14.TR CIT-HSP Homo sapiens genomic clone 2021L14, genomic survey sequence.//4.6e-41:387:72//B65379
- 45 R-MAMMA1002454//Homo sapiens chromosome 19, cosmid F23259, complete sequence.//1.2e-67:491:82//AC005512
- R-MAMMA1002461//Homo sapiens PAC clone 166H1 from 12q, complete sequence.//1.4e-28:188:85//AC003982
- R-MAMMA1002470//Saccharomyces cerevisiae chromosome VIII cosmid 9205.//6.3e-09:280:61//U10556
- 50 R-MAMMA1002475//Human DNA sequence from PAC 306D1 on chromosome X contains ESTs.//1.5e-25:310:74//Z83822
- R-MAMMA1002480//Homo sapiens clone RG228D17, WORKING DRAFT SEQUENCE, 2 unordered pieces.//1.2e-98:533:93//AC005077
- R-MAMMA1002485//Homo sapiens stanniocalcin-2 (STC-2) mRNA, complete cds.//2.7e-114:560:97//AF055460
- 55 R-MAMMA1002494//Human DNA sequence from cosmid L174G8, Huntington's Disease Region, chromosome 4p16.3.//2.1e-46:329:84//Z69375
- R-MAMMA1002498//Rat mRNA.//0.0068:223:64//M59859
- R-MAMMA1002524//Plasmodium falciparum 3D7 chromosome 12 PFYAC336 genomic sequence, WORKING

# EP 1 074 617 A2

DRAFT SEQUENCE, 5 unordered pieces.//0.012:460:60//AC005139  
R-MAMMA1002530//Homo sapiens cytosolic phospholipase A2 gamma (cPLA2 gamma) mRNA, complete cds.//1.2e-101:529:95//AF065214  
R-MAMMA1002545//Homo sapiens ribosomal protein s4 Y isoform gene, complete cds.//6.6e-50:471:77//AF041427  
5 R-MAMMA1002554//Homo sapiens chromosome 4 clone B227H22 map 4q25, complete sequence.//5.7e-38:279:84//AC004056  
R-MAMMA1002556//Homo sapiens chromosome 10 clone CIT-HSP-1255F20 map 10p11.2-10p12.1, complete sequence.//9.6e-13:237:67//AC005878  
10 R-MAMMA1002566//CITBI-E1-2509P21:TR CITBI-E1 Homo sapiens genomic clone 2509P21, genomic survey sequence.//9.7e-14:216:73//AQ261427  
R-MAMMA1002571//CITBI-E1-2516L21.TF CITBI-E1 Homo sapiens genomic clone 2516L21, genomic survey sequence.//4.6e-25:142:99//AQ279542  
R-MAMMA1002573//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 811H13, WORKING  
15 DRAFT SEQUENCE.//1.1e-30:250:82//AL023805  
R-MAMMA1002585//Rabbit angiotensin-converting enzyme (ACE) gene, 5' end.//1.0:196:61//M58580  
R-MAMMA1002590//H.sapiens CpG island DNA genomic Mse1 fragment, clone 8d5, forward read cp8d5.f1g//1.0:114:64//Z63758  
R-MAMMA1002597//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1103G7, WORKING  
20 DRAFT SEQUENCE.//9.0e-96:459:98//AL034548  
R-MAMMA1002598//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 120G22, WORKING DRAFT SEQUENCE.//0.79:362:58//AL031847  
R-MAMMA1002603//Homo sapiens chromosome 17, clone hRPK.214\_C\_8, complete sequence.//1.3e-46:333:80//AC005803  
25 R-MAMMA1002612//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 269M15, WORKING DRAFT SEQUENCE.//7.4e-41:283:86//AL021395  
R-MAMMA1002617//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 591N18, WORKING DRAFT SEQUENCE.//1.7e-20:308:71//AL031594  
R-MAMMA1002618//Homo sapiens clone RG122E10, complete sequence.//1.2e-31:230:76//AC005067  
30 R-MAMMA1002619//Homo sapiens chromosome 21 PAC RPCIP704E14135Q2.//9.0e-113:551:98//AJ010598  
R-MAMMA1002622//Homo sapiens chromosome 4 clone B207D4 map 4q25, complete sequence.//2.8e-43:324:83//AC004050  
R-MAMMA1002623//Homo sapiens chromosome 17, clone hRPC.1171\_I\_10, complete sequence.//2.7e-80:344:84//AC004687  
35 R-MAMMA1002625//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1056L3, WORKING DRAFT SEQUENCE.//2.6e-34:391:72//AL031727  
R-MAMMA1002629//Human DNA from overlapping chromosome 19-specific cosmids R32543,, and F15613 containing ZNF gene family member, genomic sequence, complete sequence.//5.5e-58:346:81//AC003006  
R-MAMMA1002636//Homo sapiens clone DJ0810E06, WORKING DRAFT SEQUENCE, 8 unordered pieces.//1.1e-52:285:92//AC004895  
40 R-MAMMA1002637//Mus musculus kinesin light chain 2 (Klc2) mRNA, complete cds.//2.1e-13:359:64//AF055666  
R-MAMMA1002646//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 394I7, WORKING DRAFT SEQUENCE.//2.5e-24:285:68//AL023585  
R-MAMMA1002650//Human IGF-II gene exon 2 for insulin-like growth factor II located on chromosome 11.//0.64:237:61//X03424  
45 R-MAMMA1002655//Homo sapiens mini satellite ceb1 repeat region.//0.18:152:65//AF048727  
R-MAMMA1002662//Homo sapiens clone DJ0739M23, complete sequence.//2.5e-46:370:82//AC004870  
R-MAMMA1002665//Human DNA sequence from PAC 435C23 on chromosome X. Contains ESTs.//7.4e-55:298:92//Z92844  
50 R-MAMMA1002671//RPCI11-45M10.TK RPCI11 Homo sapiens genomic clone R-45M10, genomic survey sequence.//0.99:151:66//AQ194411  
R-MAMMA1002673//Homo sapiens DNA sequence from PAC 454M7 on chromosome Xq25-26.3. Contains the OCRL1 gene for Lowe Oculocerebrorenal Syndrome protein OCRL-1. Contains ESTs, STSs and GSSs, complete sequence.//3.1e-38:410:76//AL022162  
55 R-MAMMA1002684//Homo sapiens mRNA for KIAA0214 protein, complete cds.//1.4e-107:544:96//D86987  
R-MAMMA1002685//HS\_2052\_A1\_H02\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2052 Col=3 Row=O, genomic survey sequence.//1.2e-23:255:75//AQ231087  
R-MAMMA1002698//Homo sapiens Xp22-132-134 BAC GSHB-590J15 (Genome Systems Human BAC library)

# EP 1 074 617 A2

complete sequence.//1.1e-38:299:83//AC004673  
R-MAMMA1002699//Mus musculus intersectin-EH binding protein lbp1 mRNA, partial cds.//3.3e-05:61:93//  
AF057285  
R-MAMMA1002701//Homo sapiens gene for AF-6, complete cds.//3.5e-39:317:81//AB011399  
5 R-MAMMA1002708//Homo sapiens 12p13.3 PAC RPCI5-977L1 (Roswell Park Cancer Institute Human PAC li-  
brary) complete sequence.//0.26:365:62//AC005293  
R-MAMMA1002711//Homo sapiens chromosome 21 PAC LLNLP704F18108Q13.//2.5e-31:304:77//AJ006995  
R-MAMMA1002721//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 473B4, WORKING  
DRAFT SEQUENCE.//2.3e-40:279:87//Z83826  
10 R-MAMMA1002727//Plasmodium falciparum 3D7 chromosome 12 PFYAC588 genomic sequence, WORKING  
DRAFT SEQUENCE, 2 unordered pieces.//0.45:183:64//AC004710  
R-MAMMA1002728//Human Chromosome 11 Overlapping Cosmids cSRL72g7 and cSRL140b8, complete se-  
quence.//1.1e-42:410:74//AC002037  
R-MAMMA1002744//Human chromosome 8 BAC clone CIT987SK-2A8 complete sequence.//1.6e-19:473:63//  
15 U96629  
R-MAMMA1002746//Homo sapiens chromosome 17, clone hRPK.136\_H\_19, complete sequence.//2.2e-108:544:  
97//AC005856  
R-MAMMA1002748//Homo sapiens 3p22 Contig 7 PAC RPCI4-672N11 (Roswell Park Cancer Institute Human  
PAC Library) complete sequence.//5.9e-106:551:95//AC006055  
20 R-MAMMA1002754//Homo sapiens clone GS259H13, WORKING DRAFT SEQUENCE, 4 unordered pieces.//  
1.7e-34:305:79//AC005020  
R-MAMMA1002758//Homo sapiens ccr2b (ccr2), ccr2a (ccr2), ccr5 (ccr5) and ccr6 (ccr6) genes, complete cds,  
and lactoferrin (lactoferrin) gene, partial cds, complete sequence.//0.00014:130:74//U95626  
R-MAMMA1002764//Homo sapiens chromosome 19, cosmid R33632, complete sequence.//8.7e-10:118:81//  
25 AC005781  
R-MAMMA1002765//Homo sapiens chromosome 19, cosmid F20900, complete sequence.//1.2e-31:290:78//  
AC006128  
R-MAMMA1002769//Human DNA sequence from PAC 36J3, between markers DXS1192 and DXS102 on chro-  
mosome X.//0.94:260:62//Z82975  
30 R-MAMMA1002780//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 620E11, WORKING  
DRAFT SEQUENCE.//2.6e-21:529:62//AL031667  
R-MAMMA1002782//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 199H16, WORKING  
DRAFT SEQUENCE.//2.8e-30:234:72//AL022320  
R-MAMMA1002796//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 237J2, WORKING  
35 DRAFT SEQUENCE.//1.0:155:66//AL021394  
R-MAMMA1002807//Human DNA sequence from BAC 941F9 on chromosome 22q11.2-qter. Contains ESTs, STSs  
and 3' part of FIBULIN-1 D PRECURSOR like gene, part of a Brain Protein E46 like gene and a CpG island,  
complete sequence.//5.0e-42:443:75//Z95331  
R-MAMMA1002820//345M16.TVB CIT978SKA1 Homo sapiens genomic clone A-345M16, genomic survey se-  
40 quence.//1.3e-14:95:87//B17487  
R-MAMMA1002830//Human PAC clone DJ515N1 from 22q11.2-q22, complete sequence.//4.1 e-20:223:74//  
AC002073  
R-MAMMA1002833//Homo sapiens Xp22 bins 3-5 PAC RPCI4-617A9 (Roswell Park Cancer Institute Human PAC  
Library) containing Arylsulfatase D and E genes, complete sequence.//1.8e-37:295:84//AC005295  
45 R-MAMMA1002835  
R-MAMMA1002838//Human gene hY3 encoding a cytoplasmic Ro RNA.//4.4e-14:108:92//V00585  
R-MAMMA1002842//CIT-HSP-2017022.TRB CIT-HSP Homo sapiens genomic clone 2017022, genomic survey  
sequence.//5.2e-43:168:85//B67141  
R-MAMMA1002843//Homo sapiens clone GS051M12, complete sequence.//8.7e-44:525:71//AC005007  
50 R-MAMMA1002844  
R-MAMMA1002858//H.sapiens ERF-1 mRNA 3' end.//2.8e-99:361:91//X79067  
R-MAMMA1002868//Homo sapiens clone DJ0852O24, WORKING DRAFT SEQUENCE, 2 unordered pieces.//  
9.6e-39:288:81//AC004906  
R-MAMMA1002871//Homo sapiens BAC clone NH0539B24 from 7p15.1-p14, complete sequence.//0.0022:490:  
55 57//AC006044  
R-MAMMA1002880//Homo sapiens Xp22 Bins 35-37 BAC GSHB-214D18 (Genome Systems Human BAC Library)  
complete sequence.//1.3e-09:143:76//AC005296  
R-MAMMA1002881//Human thymopoietin (TMPO) gene, partial exon 6, complete exon 7, partial exon 8, and partial

# EP 1 074 617 A2

cds for thymopoietin beta.//5.1e-41:264:87//U18271  
 R-MAMMA1002886//Homo sapiens DNA sequence from PAC 168L15 on chromosome 6q26-27. Contains RSK3 gene, ribosomal protein S6 kinase, EST, GSS, STS. CpG island, complete sequence.//4.7e-32:216:90//AL022069  
 R-MAMMA1002887  
 5 R-MAMMA1002890  
 3.4e-49:376:81//AG006257  
 R-MAMMA1002892//Homo sapiens PAC clone DJ0765G07 from 7q11, complete sequence.//6.0e-60:344:79//AC004881  
 R-MAMMA1002895//RPC111-90K13.TV RPC111 Homo sapiens genomic clone R-90K13, genomic survey sequence.//2.1e-34:300:77//AQ283502  
 10 R-MAMMA1002908//Human Chromosome X, complete sequence.//4.2e-39:297:85//AC004070  
 R-MAMMA1002909//\*\*\* SEQUENCING IN PROGRESS \*\*\* Homo sapiens chromosome 4, BAC clone C0442P12; HTGS phase 1, WORKING DRAFT SEQUENCE, 5 unordered pieces.//3.4e-23:344:74//AC005798  
 R-MAMMA1002930//Homo sapiens PAC clone DJ1048B16 from 7q34-q36, complete sequence.//5.2e-39:261:88//AC006019  
 15 R-MAMMA1002938//C.pasteurianum gap gene.//1.0:343:59//X72219  
 R-MAMMA1002941//Homo sapiens chromosome 17, clone hRPK.346\_K\_10, complete sequence.//6.3e-88:556:87//AC006120  
 R-MAMMA1002947  
 20 0.48:156:69//AC005469  
 R-MAMMA1002964//Human DNA sequence from PAC 426I6 on chromosome 1p34.1-1p35. Contains NIPP-1-like gene a nuclear inhibitor of protein phosphatase-1, ESTs, and a CA repeat.//1.2e-39:473:73//AL020997  
 R-MAMMA1002970//Homo sapiens chromosome 5, P1 clone 793c5 (LBNL H57), complete sequence.//4.7e-47:420:77//AC005200  
 25 R-MAMMA1002972//alpha 1 syntrophin [human, mRNA Partial, 1771 nt] .//0.97:305:62//S81737  
 R-MAMMA1002973//Human DNA sequence from cosmid V210E9, between markers DXS366 and DXS87 on chromosome X.//2.6e-35:256:85//Z70280  
 R-MAMMA1002982 1.0e-27:110:85//AG005524  
 R-MAMMA1002987//Homo sapiens PAC clone DJ1086D14, complete sequence.//1.4e-28:527:66//AC004460  
 30 R-MAMMA1003003//Homo sapiens chromosome 10 clone CRI-JC2059 map 10q24.1-10q24.2, WORKING DRAFT SEQUENCE, 1 ordered pieces.//7.9e-48:418:78//AC006109  
 R-MAMMA1003004//, complete sequence.//2.0e-12:442:61//AC005406  
 R-MAMMA1003007//Homo sapiens chromosome 10 clone CRI-JC2059 map 10q24.1-10q24.2, WORKING DRAFT SEQUENCE, 1 ordered pieces.//1.7e-48:293:91//AC006109  
 35 R-MAMMA1003011//A-306G8.TP CIT978SK Homo sapiens genomic clone A-306G8, genomic survey sequence.//0.45:168:64//B18092  
 R-MAMMA1003015//Homo sapiens chromosome 5p, BAC clone 50g21 (LBNL H154), complete sequence.//2.9e-44:399:77//AC005740  
 R-MAMMA1003019//RPC111-9J9.TV RPC1-11 Homo sapiens genomic clone RPC1-11-9J9, genomic survey sequence.//2.7e-14:294:68//B71583  
 40 R-MAMMA1003026//HS\_2166\_B2\_C12\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2166 Col=24 Row=F, genomic survey sequence.//0.021:189:64//AQ125639  
 R-MAMMA1003031//Homo sapiens chromosome 5, BAC clone 319C17 (LBNL H159), complete sequence.//1.8e-98:525:95//AC005214  
 45 R-MAMMA1003035//Homo sapiens 12q13.1 Cosmid C174F5 (Lawrence Livermore LL12NC01 or LL12NC02 human cosmid libraries) complete sequence.//6.7e-06:297:63//AC004550  
 R-MAMMA1003039//RPC111-56J17.TJ RPC111 Homo sapiens genomic clone R-56J17, genomic survey sequence.//0.21:375:59//AQ081889  
 R-MAMMA1003040//Human DNA sequence from cosmid L108f12, Huntington's Disease Region, chromosome 4p16.3.//2.7e-29:298:67//Z49235  
 50 R-MAMMA1003044//Homo sapiens chromosome 19, cosmid R30676, complete sequence.//2.9e-14:113:91//AC004560  
 R-MAMMA1003047  
 R-MAMMA1003049  
 55 R-MAMMA1003055//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 377F16, WORKING DRAFT SEQUENCE.//2.3e-45:317:86//Z93783  
 R-MAMMA1003056//Homo sapiens chromosome 19, cosmid R34275, complete sequence.//1.0:229:63//AC005305

# EP 1 074 617 A2

R-MAMMA1003057//M.domesticus MD6 mRNA//6.2e-42:326:82//X54352  
 R-MAMMA1003066//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 473B4, WORKING  
 DRAFT SEQUENCE//3.1e-49:299:87//Z83826  
 5 R-MAMMA1003089//Homo sapiens BAC clone RG298G08 from 7p15-p21, complete sequence//2.7e-30:520:67//  
 AC005084  
 R-MAMMA1003099//RPCI11-8N9.TP RPCI-11 Homo sapiens genomic clone RPCI-11-8N9, genomic survey se-  
 quence//4.2e-44:338:82//B71494  
 R-MAMMA1003104//Mus musculus rostral cerebellar malformation protein (rcm) mRNA, complete cds//3.4e-48:  
 423:79//U72634  
 10 R-MAMMA1003113//Homo sapiens chromosome 12p13.3 clone RPCI11-433J6, WORKING DRAFT SEQUENCE,  
 100 unordered pieces//4.8e-114:567:97//AC006087  
 R-MAMMA1003127//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 250D10, WORKING  
 DRAFT SEQUENCE//1.4e-34:283:83//Z99716  
 R-MAMMA1003135//P.knowlesi Mbn-cutting sites in lambda KBS50//0.010:243:62//M38776  
 15 R-MAMMA1003140//Homo sapiens chromosome 17, clone HCIT87G17, complete sequence//6.7e-34:288:81//  
 AC003663  
 R-MAMMA1003146//Saccharomyces douglasii mitochondrial cytochrome c oxidase subunit I (COXI) gene, com-  
 plete cds//4.8e-08:438:59//M97514  
 R-nnnnnnnnnnnn//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 598F2, WORKING  
 DRAFT SEQUENCE//1.7e-63:149:94//AL021579  
 20 R-MAMMA1003166//HS\_3128\_A1\_B01\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3128 Col=1 Row=C, genomic survey sequence//3.0e-17:261:70//AQ140766  
 R-NT2RM2002580//Homo sapiens clone 24781 mRNA sequence//2.6e-111:593:94//AF070640  
 R-NT2RM4000024  
 25 R-NT2RM4000027//Homo sapiens PAC clone DJ1194E14 from 7p21, complete sequence//0.026:476:56//  
 AC004993  
 R-NT2RM4000030//Mus musculus musculus sex determining protein (Sry) gene, complete cds//0.00044:378:59//  
 U70653  
 R-NT2RM4000046//M.mulatta MHC DR beta 6 gene encoding major histocompatibility complex//0.27:130:64//  
 30 Z26239  
 R-NT2RM4000061  
 R-NT2RM4000085//Homo sapiens clone 24700 unknown mRNA, partial cds//7.2e-112:550:97//AF070639  
 R-NT2RM4000086//RPCI11-6J23.TV RPCI-11 Homo sapiens genomic clone RPCI-11-6J23, genomic survey se-  
 quence//7.2e-18:277:71//B49463  
 35 R-NT2RM4000104//F.rubripes GSS sequence, clone 063K10aG5, genomic survey sequence//3.6e-08:287:61//  
 Z88817  
 R-NT2RM4000139//Homo sapiens chromosome 16, cosmid clone 330D11 (LANL), complete sequence//9.4e-08:  
 336:65//AC005199  
 R-NT2RM4000155  
 40 R-NT2RM4000156//Homo sapiens chromosome 17, clone hRPK.136\_H\_19, complete sequence//3.4e-23:335:  
 72//AC005856  
 R-nnnnnnnnnnnn//Mouse kif4 mRNA for microtubule-based motor protein KIF4, complete cds//1.6e-87:551:87//  
 D12646  
 R-NT2RM4000169//Human ribosomal protein L37a mRNA sequence//5.9e-14:122:88//L22154  
 45 R-NT2RM4000191  
 R-NT2RM4000197//HS\_3241\_A2\_H05\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3241 Col=10 Row=O, genomic survey sequence//2.8e-86:430:97//AQ206812  
 R-NT2RM4000199//Mus musculus Yp BAC GSMB-368G7 (Genome Systems Mouse BAC Library) complete se-  
 quence//0.0047:193:63//AC006056  
 50 R-NT2RM4000200  
 R-NT2RM4000202//Homo sapiens chromosome 16, cosmid clone 378E2 (LANL), complete sequence//2.1e-40:  
 334:76//AC004035  
 R-NT2RM4000210//Homo sapiens mRNA for KIAA0712 protein, complete cds//5.2e-102:546:94//AB018255  
 R-NT2RM4000215  
 55 R-nnnnnnnnnnnn//Homo sapiens chromosome 10 clone CIT987SK-1144G6 map 10q25.1, complete sequence//  
 2.1e-55:303:86//AC005383  
 R-NT2RM4000233//Struthio camelus microsatellite sequence OSM 7//1.2e-07:198:67//AF003735  
 R-NT2RM4000244//Homo sapiens chromosome 19, BAC CIT-B-393i15 (BC301323), complete sequence//1.7e-

49:322:88//AC006116  
 R-NT2RM4000251//Homo sapiens Chromosome 22q11.2 BAC Clone 72f8 In DGCR Region, complete sequence//  
 0.97:184:66//AC000085  
 R-NT2RM4000265//Human PAC clone DJ073F11 from Xq23, complete sequence//6.2e-66:552:78//AC000055  
 5 R-NT2RM4000290//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 394I7, WORKING  
 DRAFT SEQUENCE//1.4e-05:229:65//AL023585  
 R-NT2RM4000324  
 R-NT2RM4000327//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 75N14, WORKING  
 DRAFT SEQUENCE//3.3e-42:443:75//Z97199  
 10 R-NT2RM4000344//Homo sapiens clone DJ0309D19, WORKING DRAFT SEQUENCE, 12 unordered pieces//  
 6.4e-64:433:84//AC004826  
 R-NT2RM4000349//Human mRNA for KIAA0005 gene, complete cds//7.7e-11:210:69//D13630  
 R-NT2RM4000354//Caenorhabditis elegans cosmid T14A8//0.084:257:60//U50066  
 R-NT2RM4000356  
 15 R-NT2RM4000366//Homo sapiens mRNA for KIAA0642 protein, partial cds//8.7e-112:577:95//AB014542  
 R-NT2RM4000368  
 1.6e-48:348:85//AG006257  
 R-NT2RM4000386//Rat mRNA for growth potentiating factor, complete cds//4.4e-35:141:87//D42148  
 R-NT2RM4000395//RPCI11-8N9.TP RPCI-11 Homo sapiens genomic clone RPCI-11-8N9, genomic survey se-  
 20 quence//1.4e-25:207:75//871494  
 R-NT2RM4000414//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 228H13, WORKING  
 DRAFT SEQUENCE//7.1e-17:492:64//AL031985  
 R-NT2RM4000421//RPCI11-66B1.TK RPCI11 Homo sapiens genomic clone R-66B1, genomic survey sequence//  
 1.8e-40:311:82//AQ241167  
 25 R-NT2RM4000425//Homo sapiens chromosome Xp22-135-136 clone GSHB-56711, WORKING DRAFT SE-  
 QUENCE, 35 unordered pieces//2.5e-47:316:87//AC005867  
 R-NT2RM4000433//Mus musculus retinoic acid-responsive protein (Stra6) mRNA, complete cds//1.6e-17:133:  
 78//AF062476  
 R-NT2RM4000457  
 30 R-NT2RM4000471//Homo sapiens mRNA for putative tRNA splicing protein, partial//4.6e-113:559:96//AJ010952  
 R-NT2RM4000486//Homo sapiens mRNA, complete cds, clone:RES4-22C//0.00015:170:67//AB000461  
 R-NT2RM4000496  
 R-NT2RM4000511//Rat troponin T cardiac isoform gene, complete cds//0.21:290:58//M80829  
 R-NT2RM4000514//CIT-HSP-2169K4.TR CIT-HSP Homo sapiens genomic clone 2169K4, genomic survey se-  
 35 quence//1.5e-20:150:89//B95717  
 R-nnnnnnnnnnnn//HS-1024-B2-G01-MR.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone  
 Plate=CT 803 Col=2 Row=N, genomic survey sequence//6.3e-10:74:98//B34556  
 R-NT2RM4000520//Caenorhabditis elegans cosmid F36H12//0.15:406:61//AF078790  
 R-NT2RM4000531  
 40 R-NT2RM4000532//Plasmodium falciparum chromosome 2, section 28 of 73 of the complete sequence//1.0:119:  
 66//AE001391  
 R-NT2RM4000534//paramecium species 4.51er mt dna dimer: replication init. region, clone 2//9.8e-05:326:60//  
 K00909  
 R-NT2RM4000585//HS\_3252\_A2\_G08\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 45 nomic clone Plate=3252 Col=16 Row=M, genomic survey sequence//1.9e-69:376:93//AQ219890  
 R-NT2RM4000590//CIT-HSP-539O24.TV CIT-HSP Homo sapiens genomic clone 539O24, genomic survey se-  
 quence//1.7e-38:226:93//B50657  
 R-NT2RM4000595//Human Chromosome X clone bWDX342, complete sequence//1.0:239:61//AC004072  
 R-NT2RM4000603//RPCI11-49P13.TK RPCI11 Homo sapiens genomic clone R-49P13, genomic survey se-  
 50 quence//0.77:139:64//AQ051950  
 R-nnnnnnnnnnnn  
 R-NT2RM4000616//HS\_3107\_A2\_B03\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3107 Col=6 Row=C, genomic survey sequence//1.3e-54:272:99//AQ210034  
 R-NT2RM4000674  
 55 R-NT2RM4000689//Mus musculus pericentrin mRNA, complete cds//3.5e-70:551:80//U05823  
 R-NT2RM4000698  
 R-nnnnnnnnnnnn  
 R-NT2RM4000712//Homo sapiens clone NH0512E16, complete sequence//0.54:294:58//AC005039

R-NT2RM4000717//Plasmodium falciparum MAL3P8, complete sequence//0.050:387:58//AL034560  
 R-NT2RM4000733//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 423B22, WORKING  
 DRAFT SEQUENCE//1.0e-107:566:95//AL034379  
 R-NT2RM4000734//Homo sapiens mRNA for KIAA0760 protein, partial cds//1.1e-103:536:95//AB018303  
 5 R-NT2RM4000741//CIT-HSP-2294N4.TR CIT-HSP Homo sapiens genomic clone 2294N4, genomic survey se-  
 quence//5.2e-41:244:93//AQ006361  
 R-NT2RM4000751//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 537K23, WORKING  
 DRAFT SEQUENCE//2.7e-28:416:67//AL034405  
 R-NT2RM4000764//Human HepG2 3' region Mbol cDNA, clone hmd3g01m3//2.1e-33:199:96//D17217  
 10 R-NT2RM4000778//Homo sapiens Xp22 BAC 620F15 (Genome Systems BAC library) complete sequence//  
 0.00060:241:62//AC002980  
 R-NT2RM4000779//Homo sapiens mRNA for KIAA0451 protein, complete cds//2.9e-104:546:94//AB007920  
 R-NT2RM4000787//Homo sapiens, clone hRPK.3\_A\_1, complete sequence//5.3e-32:321:77//AC006198  
 R-NT2RM4000790//Homo sapiens chromosome 19, cosmid R27216, complete sequence//1.9e-111:552:97//  
 15 AC005306  
 R-NT2RM4000795//Homo sapiens Chromosome 17p13 Cosmid Clone cos39, complete sequence//0.74:364:57//  
 U58675  
 R-NT2RM4000796//Homo sapiens full-length insert cDNA clone ZD62D10//2.7e-105:510:98//AF086348  
 R-NT2RM4000798//Human polymorphic epithelial mucin core protein mRNA, 3' end//7.7e-27:158:96//M21868  
 20 R-NT2RM4000813  
 R-NT2RM4000820//, complete sequence//2.0e-104:432:97//AC005406  
 R-NT2RM4000833//Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MXI22, complete sequence//  
 2.0e-07:166:68//AB012248  
 R-NT2RM4000848//Rabies virus matrix (M) protein mRNA, complete cds//0.073:70:84//M22013  
 25 R-NT2RM4000852//Plasmodium falciparum 3D7 chromosome 12 PFYAC1122 genomic sequence, WORKING  
 DRAFT SEQUENCE, 3 unordered pieces//1.0:237:62//AC004709  
 R-NT2RM4000855  
 R-nnnnnnnnnnn//HS\_3189\_B2\_B08\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genom-  
 ic clone Plate=3189 Col=16 Row=D, genomic survey sequence//2.1e-06:114:73//AQ300597  
 30 R-NT2RM4000895//Pan troglodytes HS19.8-similar locus and Y Alu element, genomic survey sequence//3.8e-  
 46:207:91//AF077058  
 R-NT2RM4000950//Human BAC clone RG341D10 from 7p15-p21, complete sequence//1.0:336:60//AC002530  
 R-NT2RM4000971//Human Xq28 cosmids U126G1, U142F2, U69B6, U145C10, U169A5, U84H1, U24D12,  
 U80A7, U153E6, L35485, and R7-163A8 containing iduronate 2-sulfatase gene and pseudogene, complete se-  
 35 quence//7.1e-09:259:64//AF011889  
 R-NT2RM4000979  
 R-NT2RM4000996//HS\_3164\_A1\_E02\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3164 Col=3 Row=I, genomic survey sequence//2.0e-82:443:94//AQ141622  
 R-NT2RM4001002//Homo sapiens mRNA for KIAA0729 protein, partial cds//1.2e-112:545:97//AB018272  
 40 R-NT2RM4001016//Homo sapiens mRNA for KIAA0639 protein, partial cds//7.9e-113:556:97//AB014539  
 R-NT2RM4001032//Homo sapiens Surf-5 and Surf-6 genes//1.2e-10:120:82//AJ224639  
 R-NT2RM4001047//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 163G9, WORKING  
 DRAFT SEQUENCE//1.0:158:67//AL008733  
 R-NT2RM4001054//CIT-HSP-2292N8.TR CIT-HSP Homo sapiens genomic clone 2292N8, genomic survey se-  
 45 quence//5.8e-19:118:97//AQ004096  
 R-nnnnnnnnnnn//Mouse DNA with homology to EBV IR3 repeat, segment 1, clone Mu2//1.0e-05:271:64//  
 M10296  
 R-NT2RM4001092//CITBI-E1-2524J20.TR CITBI-E1 Homo sapiens genomic clone 2524J20, genomic survey se-  
 quence//1.0:186:63//AQ277294  
 50 R-NT2RM4001116  
 R-NT2RM4001140//Homo sapiens PAC clone DJ0964C11 from 7p14-p15, complete sequence//3.6e-79:468:90//  
 AC004593  
 R-NT2RM4001151//HS\_2270\_B1\_E05\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=2270 Col=9 Row=J, genomic survey sequence//5.5e-62:312:98//AQ163739  
 55 R-NT2RM4001155//Homo sapiens chromosome 12p13.3 clone RPCI4-816N1, WORKING DRAFT SEQUENCE,  
 31 unordered pieces//1.4e-107:536:97//AC005841  
 R-NT2RM4001160//HS\_3015\_B1\_H10\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3015 Col=19 Row=P, genomic survey sequence//7.1e-35:201:95//AQ118712

# EP 1 074 617 A2

R-NT2RM4001187//X.laevis xUBFbeta2 mRNA for upstream binding factor 1.//0.019:177:63//X57201  
 R-NT2RM4001191//HS\_3002\_A1\_F05\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3002 Col=9 Row=K, genomic survey sequence.//3.9e-33:230:75//AQ088791  
 R-NT2RM4001200//Homo sapiens full-length insert cDNA clone YL35H03.//7.5e-69:335:99//AF085857  
 5 R-NT2RM4001203  
 R-NT2RM4001204  
 R-NT2RM4001217  
 R-NT2RM4001256  
 R-NT2RM4001258  
 10 R-NT2RM4001309  
 R-NT2RM4001313//Homo sapiens 12q24.1 PAC RPCI1-71H24 (Roswell Park Cancer Institute Human PAC li-  
 brary) complete sequence.//0.00055:183:63//AC004551  
 R-NT2RM4001316//Homo sapiens chromosome 17, clone hCIT.117\_K\_16, complete sequence.//4.5e-21:212:79//  
 AC004757  
 15 R-NT2RM4001320//CIT-HSP-2303E22.TR CIT-HSP Homo sapiens genomic clone 2303E22, genomic survey se-  
 quence.//3.8e-30:86:89//AQ021084  
 R-NT2RM4001340  
 0.0027:493:60//AC005133  
 R-NT2RM4001344  
 20 R-NT2RM4001347//CITBI-E1-2506I20.TR CITBI-E1 Homo sapiens genomic clone 2506I20, genomic survey se-  
 quence.//6.5e-16:1.01:99//AQ262797  
 R-NT2RM4001371//CITBI-E1-2503G21.TR CITBI-E1 Homo sapiens genomic clone 2503G21, genomic survey  
 sequence.//0.063:140:65//AQ265776  
 R-NT2RM4001382//HS\_3044\_A1\_F02\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 25 nomic clone Plate=3044 Col=3 Row=K, genomic survey sequence.//0.96:103:66//AQ098668  
 R-NT2RM4001384//R.norvegicus mRNA for dendrin.//8.5e-07:120:75//Y09000  
 R-NT2RM4001410//Bovine cytochrome P450-scc mRNA fragment.//2.3e-15:199:75//M25920  
 R-NT2RM4001411//Rattus norvegicus FceRI gamma-chain interacting protein SH2-B (SH2-B) mRNA, complete  
 cds.//1.7e-55:235:83//U57391  
 30 R-NT2RM4001412  
 R-NT2RM4001414//Homo sapiens Xp22 Cosmids U98B4 and U24F2 (Lawrence Livermore human cosmid library)  
 complete sequence.//1.7e-80:489:89//U69730  
 R-NT2RM4001437//RPCI11-56D2.TJ RPCI11 Homo sapiens genomic clone R-56D2, genomic survey sequence.//  
 3.8e-43:250:93//AQ081969  
 35 R-NT2RM4001444//Homo sapiens Xp22-171-173 BAC GSHB-312I4 (Genome Systems Human BAC Library)  
 complete sequence.//0.0034:224:63//AC005926  
 R-NT2RM4001454//Homo Sapiens Chromosome X clone bW XD90, complete sequence.//2.4e-33:360:68//  
 AC004075  
 R-NT2RM4001455//HS\_3229\_B1\_E04\_MR CIT Approved-Human Genomic Sperm Library D Homo sapiens ge-  
 40 nomic clone Plate=3229 Col=7 Row=J, genomic survey sequence.//1.0:183:61//AQ191289  
 R-NT2RM4001483//Homo sapiens clone DJ0826E18, WORKING DRAFT SEQUENCE, 4 unordered pieces.//  
 2.2e-51:451:79//AC005282  
 R-NT2RM4001489//Homo sapiens mRNA for KIAA0685 protein, complete cds.//2.2e-102:547:93//AB014585  
 R-NT2RM4001519//HS\_2208\_A1\_F07\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 45 nomic clone Plate=2208 Col=13 Row=K, genomic survey sequence.//0.25:214:63//AQ091836  
 R-NT2RM4001522//H.sapiens gene for Cu/Zn-superoxide dismutase.//3.6e-13:246:70//Z29336  
 R-NT2RM4001557//Plasmodium falciparum MAL3P4, complete sequence.//0.055:320:58//AL008970  
 R-NT2RM4001565//Homo sapiens chromosome 12p13.3 clone RPCI11-189M20, WORKING DRAFT SE-  
 QUENCE, 39 unordered pieces.//3.9e-26:329:72//AC005910  
 50 R-NT2RM4001566//Human trophinin mRNA, complete cds.//6.3e-38:296:86//U04811  
 R-NT2RM4001569//Human DNA sequence from clone 461P17 on chromosome 20q12-13.2. Contains four novel  
 (pseudo)genes for proteins with Kunitz/Bovine pancreatic trypsin inhibitor and/or WAP-type (Whey Acidic Protein)  
 'four-disulfide core' domains, COX6C (Cytochrome C Oxidase Polypeptide VIC, EC 1.9.3.1) and RPL5 (60S Ri-  
 bosomal Protein L5) pseudogenes, a pseudogene similar to part of the HSPD1 (HSP60, Mitochondrial Matrix  
 Protein P1 precursor, Heat Shock Protein 60, GROEL protein, HUCHA60) gene, and the Major Epididymis-specific  
 55 protein E4 precursor (HE4, Epididymis Secretory protein E4, WAP-type (Whey Acidic Protein) 'four-disulfide core'  
 domain) gene. Contains ESTs, an STS, GSSs and a putative CpG island, complete sequence.//2.0e-35:213:89//  
 AL031663



R-NT2RM4001582//Mus musculus COP9 complex subunit 7b (COPS7b) mRNA, complete cds.//5.4e-60:558:77//  
 AF071317  
 R-nnnnnnnnnnnn//M.musculus mRNA of enhancer-trap-locus 1.//4.8e-86:565:85//X69942  
 R-NT2RM4001594//Human interleukin-13 (IL-13) precursor gene, complete cds.//0.083:283:61//U31120  
 5 R-NT2RM4001597//HS\_2059\_A1\_G11\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=2059 Col=21 Row=M, genomic survey sequence.//4.4e-09:105:83//AQ245136  
 R-NT2RM4001605//Homo sapiens mRNA for KIAA0791 protein, complete cds.//6.7e-111:565:95//AB018334  
 R-NT2RM4001611//Homarus americanus ryanodine receptor (RyR) mRNA, partial cds.//1.0:364:61//AF051936  
 R-NT2RM4001629//RPC111-54G14.TJ RPC111 Homo sapiens genomic clone R-54G14, genomic survey se-  
 10 quence.//0.0018:347:61//AQ083173  
 R-NT2RM4001650  
 R-NT2RM4001662//Homo sapiens DNA sequence from PAC 159A15 on chromosome Xp11.21-p11.23. Contains  
 inter-alpha-trypsin inhibitor heavy chain H3 precursor-like protein.//0.75:212:62//AL022575  
 R-NT2RM4001666//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-233A8, complete sequence.//2.6e-  
 15 26:461:65//AC004685  
 R-NT2RM4001682//Human DNA sequence from clone 30M3 on chromosome 6p22.1-22.3. Contains three novel  
 genes, one similar to C. elegans Y63D3A.4 and one similar to (predicted) plant, worm, yeast and archaea bacterial  
 genes, and the first exon of the KIAA0319 gene. Contains ESTs, GSSs and putative CpG islands, complete se-  
 quence.//1.5e-107:544:96//AL031775  
 20 R-NT2RM4001710//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 126A5, WORKING  
 DRAFT SEQUENCE.//1.8e-110:580:95//AL031447  
 R-NT2RM4001714//Plasmodium falciparum 3D7 chromosome 12 PFYAC812 genomic sequence, WORKING  
 DRAFT SEQUENCE, 8 unordered pieces.//3.1e-10:543:59//AC004153  
 R-nnnnnnnnnnnn//Human DNA sequence from clone 931K24 on chromosome 20p12 Contains ESTs and GSSs,  
 25 complete sequence.//8.7e-111:577:94//AL034430  
 R-NT2RM4001731//Ovis aries dinucleotide repeat polymorphism at MAF92 locus.//0.017:93:73//M80527  
 R-NT2RM4001741//Mouse mRNA for talin.//2.4e-34:273:83//X56123  
 R-NT2RM4001746//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 316G12, WORKING  
 DRAFT SEQUENCE.//1.7e-112:567:96//AL031709  
 30 R-NT2RM4001754//Homo sapiens PAC clone 248O15 from 13q12-q13, complete sequence.//1.4e-64:475:83//  
 AC002483  
 R-NT2RM4001758//R.norvegicus mRNA for serine/threonine kinase MARK1.//1.9e-18:202:78//Z83868  
 R-NT2RM4001776//Homo sapiens mRNA for KIAA0727 protein, partial cds.//2.0e-22:236:80//AB018270  
 R-NT2RM4001783//Homo sapiens clone DJ0981O07, complete sequence.//4.4e-106:551:95//AC006017  
 35 R-NT2RM4001810//T28D3TF TAMU Arabidopsis thaliana genomic clone T28D3, genomic survey sequence.//  
 0.76:279:60//B27099  
 R-NT2RM4001813  
 R-NT2RM4001823  
 R-NT2RM4001828//HS\_3073\_A2\_E01\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 40 nomic clone Plate=3073 Col=2 Row=I, genomic survey sequence.//1.6e-46:255:96//AQ121030  
 R-NT2RM4001836//Sus scrofa microsatellite S0398 sequence.//9.4e-06:141:69//U78024  
 R-NT2RM4001841//Salmo salar microsatellite Ssa65 DNA.//1.5e-06:175:65//AF019184  
 R-NT2RM4001842//Homo sapiens clone RG228D17, WORKING DRAFT SEQUENCE, 2 unordered pieces.//5.0e-  
 07:332:61//AC005077  
 45 R-NT2RM4001856//Mus musculus clone OST16642, genomic survey sequence.//4.8e-30:235:85//AF046633  
 R-nnnnnnnnnnnn//Hs\_3244\_B1\_F10\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=3244 Col=19 Row=L, genomic survey sequence.//3.0e-40:263:89//AQ252798  
 R-NT2RM4001865//Homo sapiens mRNA for atopy related autoantigen CALC.//5.0e-119:592:97//Y17711  
 R-NT2RM4001876//Megastigmus wachtlei dinucleotide microsatellite, clone  
 50 MWA47CT.//0.13:134:64//AJ001069  
 R-NT2RM4001880  
 R-NT2RM4001905//HS\_2016\_B1\_H11\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=2016 Col=21 Row=P, genomic survey sequence.//0.0066:264:59//AQ226877  
 R-NT2RM4001922//HS\_2228\_B2\_B07\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 55 nomic clone Plate=2228 Col=14 Row=D, genomic survey sequence.//2.5e-35:205:96//AQ065498  
 R-NT2RM4001930//Homo sapiens chromosome 17, clone hRPC.34\_M\_24, complete sequence.//0.26:325:63//  
 AC004562  
 R-NT2RM4001938//Homo sapiens chromosome 17, clone hRPC.1081\_P\_3, complete sequence.//2.9e-85:421:

- 98//AC005207  
 R-NT2RM4001940//Homo sapiens timeless homolog mRNA, complete cds.//6.2e-109:556:95//AF098162  
 R-NT2RM4001953//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 473B4, WORKING  
 DRAFT SEQUENCE.//1.3e-08:175:70//Z83826
- 5 R-NT2RM4001965//CIT-HSP-385N14.TR CIT-HSP Homo sapiens genomic clone 385N14, genomic survey se-  
 quence.//5.7e-69:532:81//B55044  
 R-nnnnnnnnnnnn//R.norvegicus mRNA for IP63 protein.//1.9e-61:352:83//X99330  
 R-NT2RM4001979//Homo sapiens full-length insert cDNA clone ZD29F04.//1.1e-98:465:100//AF086241  
 R-NT2RM4001984//Borrelia burgdorferi (section 47 of 70) of the complete genome.//0.14:461:60//AE001161
- 10 R-NT2RM4001987  
 R-NT2RM4002013  
 R-NT2RM4002018  
 R-NT2RM4002034//Homo sapiens chromosome 5, BAC clone 24p24 (LBNL H195), complete sequence.//3.6e-  
 42:277:89//AC005353
- 15 R-NT2RM4002044//Homo sapiens PAC clone DJ1102B04 from 7q11.23-7q21, complete sequence.//0.83:476:57//  
 AC006204  
 R-NT2RM4002054  
 R-NT2RM4002062//Human microsomal epoxide hydrolase gene, exons 5 and 6.//0.11:136:67//U06659  
 R-NT2RM4002063//Oryctolagus cuniculus sarcosine oxidase (SOX) mRNA, complete cds.//2.9e-99:503:96//
- 20 U82267  
 R-nnnnnnnnnnnn//Homo sapiens CAGH45 mRNA, complete cds.//9.6e-41:554:68//U80742  
 R-NT2RM4002067//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 329A5, WORKING  
 DRAFT SEQUENCE.//7.7e-64:476:81//Z97832  
 R-NT2RM4002073//Mus musculus fatty acid transport protein 3 mRNA, partial cds.//1.1e-33:238:85//AF072758
- 25 R-NT2RM4002075//Plasmodium falciparum 3D7 chromosome 12 PFYAC1383 genomic sequence, WORKING  
 DRAFT SEQUENCE, 3 unordered pieces.//0.0031:403:57//AC005504  
 R-NT2RM4002093//Human Chromosome 11 pac pDJ227b23, WORKING DRAFT SEQUENCE, 19 unordered  
 pieces.//9.4e-07:322:62//AC000383  
 R-nnnnnnnnnnnn//Mouse kif4 mRNA for microtubule-based motor protein KIF4, complete cds.//5.6e-44:432:74//
- 30 D12646  
 R-NT2RM4002128//Human HepG2 partial cDNA, clone hmd2e12m5.//2.0e-26:186:90//D17000  
 R-NT2RM4002140  
 R-NT2RM4002145//Homo sapiens full-length insert cDNA clone ZD38E12.//1.4e-15:193:76//AF086247  
 R-NT2RM4002146//Human ABL gene, intron 1b, partial sequence.//0.66:170:63//U07562
- 35 R-NT2RM4002161//Homo sapiens laforin (EPM2A) mRNA, partial cds.//4.5e-110:560:96//AF084535  
 R-NT2RM4002174//Homo sapiens chromosome 17, clone hRPK.74\_E\_22, complete sequence.//8.0e-43:302:85//  
 AC005696  
 R-NT2RM4002189  
 R-NT2RM4002194//Human Cosmid g5129g129 from 7q31.3, complete sequence.//0.29:382:60//AC003960
- 40 R-NT2RM4002205//Spiroplasma virus (SpV1-R8A2 B) complete genome.//3.5e-05:432:56//X51344  
 R-NT2RM4002213  
 R-NT2RM4002226//Homo sapiens chromosome 17, clone HCIT187M2, complete sequence.//0.94:198:61//  
 AC004448  
 R-NT2RM4002251
- 45 R-NT2RM4002256//Homo sapiens PAC clone DJ0570D02 from 7p13-p14, complete sequence.//2.3e-58:299:85//  
 AC004837  
 R-NT2RM4002266//H.sapiens CpG island DNA genomic MseI fragment, clone 179f11, forward read  
 cpg179f11.ft1a.//0.72:97:69//Z57487  
 R-NT2RM4002278//Homo sapiens clone RG140B11, WORKING DRAFT SEQUENCE, 1 unordered pieces.//7.5e-  
 49:405:84//AC005069
- 50 R-NT2RM4002281//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 702J19, WORKING  
 DRAFT SEQUENCE.//1.7e-13:168:77//AL033531  
 R-NT2RM4002287  
 R-NT2RM4002294//Homo Sapiens Chromosome X clone bWXD171, WORKING DRAFT SEQUENCE, 1 ordered  
 pieces.//0.98:208:65//AC004676
- 55 R-NT2RM4002301//HS\_2028\_A1\_E10\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=2028 Col=19 Row=I, genomic survey sequence.//0.94:321:57//AQ233262  
 R-NT2RM4002323//Human DNA sequence from clone 59B16 on chromosome 6p22.1-22.3. Contains a pseudo-

gene similar to GPISG20 and other exonucleases). Contains ESTs, STSs, GSSs, genomic markers D6S1691 and D6S299 and a ca repeat polymorphism, complete sequence//1.9e-35:265:84//AL032822  
R-nnnnnnnnnnnn//Human mRNA for KIAA0319 gene, complete cds//2.4e-42:569:68//AB002317  
5 R-NT2RM4002344//Plasmodium falciparum 3D7 chromosome 12 PFYAC1122 genomic sequence, WORKING DRAFT SEQUENCE, 3 unordered pieces//0.013:391:59//AC004709  
R-NT2RM4002373//Homo sapiens mRNA for KIAA0649 protein, complete cds//8.6e-121:593:97//AB014549  
R-NT2RM4002374//Human DNA sequence from cosmid U131B10, between markers DXS366 and DXS87 on chromosome X contains XK membrane transport protein, ESTs and STS//3.8e-44:258:86//Z73417  
10 R-NT2RM4002383//Human Chromosome 15q26.1 PAC clone pDJ10k5 containing human DNA polymerase gamma (polg) gene, complete sequence//0.00084:345:60//AC005316  
R-NT2RM4002390  
R-NT2RM4002409//RPCI11-45M10.TK RPCI11 Homo sapiens genomic clone R-45M10, genomic survey sequence//0.99:151:66//AQ194411  
R-NT2RM4002438  
15 R-NT2RM4002446//Human DNA sequence from clone 360A4 on chromosome 16. Contains ESTs, complete sequence//2.8e-103:533:95//AL031008  
R-NT2RM4002452  
R-NT2RM4002457//Homo sapiens chromosome 16, cosmid clone 321D4 (LANL), complete sequence//0.99:171:64//AC004034  
20 R-NT2RM4002460//Human DNA sequence from PAC 50A13 on chromosome Xp11. Contains ATP SYNTHASE LIPID BINDING PROTEIN P1 (P2, P3) precursor (ATP5G1, ATP5G2, ATP5G3) like pseudogene, ESTs and STSs. Contains polymorphic CA repeat//0.96:94:71//Z92545  
R-NT2RM4002479//Homo sapiens RNA helicase-related protein mRNA, complete cds//2.9e-102:508:97//AF083255  
25 R-NT2RM4002482//Homo sapiens mRNA for KIAA0691 protein, complete cds//7.0e-31:172:98//AB014591  
R-NT2RM4002493//CIT-HSP-2296C24.TF CIT-HSP Homo sapiens genomic clone 2296C24, genomic survey sequence//0.46:182:62//AQ006882  
R-NT2RM4002499//Human v-fos transformation effector protein (Fte-1), mRNA complete cds//7.3e-24:134:99//M84711  
30 R-NT2RM4002504//Homo sapiens Xq28 BAC PAC and cosmid clones containing FMR2 gene exons 1,2, and 3, complete sequence//3.9e-11:334:63//AC002368  
R-nnnnnnnnnnnn  
R-NT2RM4002532//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 341D10, WORKING DRAFT SEQUENCE//3.4e-17:171:79//Z97985  
35 R-NT2RM4002534  
R-NT2RM4002567//Homo sapiens chromosome 7 clone UWGC:g1564a040 from 7p14-15, complete sequence//2.2e-26:181:76//AC005271  
R-NT2RM4002571  
R-NT2RM4002593//CIT-HSP-2303L15.TF CIT-HSP Homo sapiens genomic clone 2303L15, genomic survey sequence//0.034:73:82//AQ015579  
40 R-NT2RM4002623//Homo sapiens clone UWGC:g1564a209 from 7p14-15, complete sequence//0.0014:670:55//AC005862  
R-NT2RP2000001//Plasmodium falciparum chromosome 2, section 59 of 73 of the complete sequence//0.00087:251:59//AE001422  
45 R-NT2RP2000006//Human DNA sequence from PAC 155D22 on chromosome 6q27. Contains EST, STSs and a GSS//2.7e-37:259:86//Z97205  
R-NT2RP2000008//RPCI11-41G16.TP RPCI-11 Homo sapiens genomic clone RPCI-11-41G16, genomic survey sequence//4.1e-25:365:70//AQ029090  
R-NT2RP2000027//Homo sapiens chromosome 17, clone HCIT305D20, complete sequence//6.0e-05:307:62//AC004098  
50 R-NT2RP2000040//Homo sapiens mRNA for KIAA0747 protein, partial cds//8.4e-41:223:96//AB018290  
R-NT2RP2000045//Homo sapiens tumorous imaginal discs protein Tid56 homolog (TID1) mRNA, complete cds//5.8e-63:325:96//AF061749  
R-NT2RP2000054//Human tyrosinase gene, 5'-flanking region (containing enhancer element responsible for pigment cell-specific transcription)//0.88:210:60//D26163  
55 R-NT2RP2000056//Mus musculus epsilon tyrosine phosphatase cytoplasmic isoform (Ptpre) mRNA, complete cds//4.7e-38:377:78//U36758  
R-NT2RP2000067//Rat mRNA for growth potentiating factor, complete cds//6.0e-10:137:79//D42148

# EP 1 074 617 A2

R-NT2RP2000070//Homo sapiens chromosome 5, BAC clone 34j15 (LBNL H169), complete sequence//3.1e-76:381:98//AC005754

R-NT2RP2000076//Plasmodium falciparum chromosome 2, section 9 of 73 of the complete sequence//2.3e-06:380:60//AE001372

5 R-NT2RP2000077//Homo sapiens growth arrest specific 11 (GAS11) mRNA, complete cds//3.5e-77:379:97+++F050079

R-NT2RP2000079//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1125A11, WORKING DRAFT SEQUENCE//6.5e-32:314:78//AL034549

R-NT2RP2000088//Homo sapiens mRNA for KIAA0795 protein, partial cds//5.6e-74:378:96//AB018338

10 R-NT2RP2000091//Homo sapiens clone RG015P03, complete sequence//9.3e-21:226:76//AC005048

R-NT2RP2000097//Human DNA sequence from cosmid U209G1 on chromosome X//9.2e-40:278:81//Z68873

R-NT2RP2000098//Human BAC clone RG333F24 from 7q11.2-q21, complete sequence//0.34:132:65//AC004015

R-NT2RP2000108//Homo sapiens DNA from chromosome 19, BAC 33152, complete sequence//3.1e-09:259:67//AC003973

15 R-NT2RP2000114//Homo sapiens mRNA for GM3 synthase, complete cds//1.8e-74:386:95//AB018356

R-NT2RP2000120//CITBI-E1-2503M8.TR CITBI-E1 Homo sapiens genomic clone 2503M8, genomic survey sequence//5.1e-05:87:77//AQ263909

R-nnnnnnnnnnnnn

R-nnnnnnnnnnnnn//Homo sapiens PAC clone DJ044L15 from Xq23, complete sequence//4.9e-11:153:69//AC004827

20 R-NT2RP2000147

R-NT2RP2000153//Homo sapiens ccr2b (ccr2), ccr2a (ccr2), ccr5 (ccr5) and ccr6 (ccr6) genes, complete cds, and lactoferrin (lactoferrin) gene, partial cds, complete sequence//0.0058:261:57//U95626

R-NT2RP2000157//Homo sapiens Chr.14 PAC RPC14-794B2 (Roswell Park Cancer Institute Human PAC Library) complete sequence//2.5e-119:603:96//AC005924

25 R-NT2RP2000161//CIT-HSP-2045P7.TR CIT-HSP Homo sapiens genomic clone 2045P7, genomic survey sequence//0.89:173:63//B79728

R-NT2RP2000175

R-NT2RP2000183

30 R-NT2RP2000195//Homo sapiens chromosome 17, clone hRPK.60\_A\_24, complete sequence//4.3e-39:306:83//AC005325

R-NT2RP2000205//Human DNA sequence from clone 302L24 on chromosome Xq21-22, complete sequence//7.5e-05:101:78//AL022155

R-NT2RP2000224//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-152E5, complete sequence//7.3e-55:306:94//AC004382

35 R-NT2RP2000232

R-NT2RP2000233//Mus musculus tumor metastasis associated gene product (MAG) mRNA, complete cds//7.6e-13:144:75//U88401

R-NT2RP2000239//Homo sapiens chromosome 4 clone B353C18 map 4q25, complete sequence//9.6e-63:410:86//AC004066

40 R-NT2RP2000248//Caenorhabditis elegans cosmid T01C8//1.0:282:58//U58726

R-NT2RP2000257//Homo sapiens PAC clone DJ0808G16 from 7q11.23-q21, complete sequence//2.5e-11:163:72//AC004894

R-NT2RP2000258//Arabidopsis thaliana chromosome II BAC T31E10 genomic sequence, complete sequence//0.58:442:58//AC004077

45 R-NT2RP2000270//Homo sapiens DNA sequence from PAC 97D16 on chromosome 6p21.3-22.2. Contains an unknown pseudogene, a 60S Ribosomal protein L24 (L30) LIKE pseudogene and histone genes H2BFC (H2B/c), H4FFP (H4/f pseudogene), H2AFC (H2A/c), H3F1K (H3.1/k) and a tRNA-Val pseudogene and tRNA-Thr gene. Contains ESTs, STSs, GSSs and genomic marker D6S464, complete sequence//1.1e-39:292:84//AL009179

50 R-NT2RP2000274//CIT-HSP-237901.TR CIT-HSP Homo sapiens genomic clone 237901, genomic survey sequence//6.9e-10:121:81//AQ109409

R-NT2RP2000288

R-NT2RP2000289

R-NT2RP2000297//Homo sapiens full-length insert cDNA clone ZB81C03//7.7e-109:519:99//AF086165

55 R-NT2RP2000298

R-NT2RP2000310//Homo sapiens p53 induced protein mRNA, partial cds//1.5e-38:224:93//AF010310

R-NT2RP2000327//Homo sapiens DNA sequence from PAC 434O14 on chromosome 1q32.3-.41. Contains the HSD11B1 gene for Hydroxysteroid (11-beta) Dehydrogenase 1, the ADORA2BP adenosine A2b receptor LIKE

pseudogene, the IRF6 gene for Interferon Regulatory Factor 6 and two novel genes. Contains ESTs and GSSs, complete sequence.//4.3e-113:580:96//AL022398  
 R-NT2RP2000329//Homo sapiens clone NH0319F03, WORKING DRAFT SEQUENCE, 3 unordered pieces.//7.4e-47:367:77//AC006039  
 R-NT2RP2000337//Anopheles quadrimaculatus NADH dehydrogenase subunits (1-4, 4L, 5-6); cytochrome oxidase subunits (1-3); adenosine triphosphatase subunits (6,8); cytochrome b; transfer RNA; ribosomal RNA (large and small subunits).//4.9e-08:494:58//L04272  
 R-NT2RP2000346//Homo sapiens apoptosis associated protein (GADD34) mRNA, complete cds.//3.4e-46:262:94//U83981  
 R-NT2RP2000369//Homo sapiens chromosome 17, clone HCIT169H9, WORKING DRAFT SEQUENCE, 6 unordered pieces.//3.0e-07:334:61//AC002993  
 R-NT2RP2000414//Mouse DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone BAC394, WORKING DRAFT SEQUENCE.//7.0e-08:98:83//AJ004828  
 R-NT2RP2000420//Homo sapiens chromosome 17, clone hRPK.640\_I\_15, complete sequence.//0.99:150:62//AC005324  
 R-NT2RP2000422//Homo sapiens N-acetylglucosamine-phosphate mutase mRNA, complete cds.//4.6e-19:142:90//AF102265  
 R-NT2RP2000438//RPC111-62I13.TK RPC111 Homo sapiens genomic clone R-62I13, genomic survey sequence.//3.1e-06:103:79//AQ199572  
 R-NT2RP2000448//Homo sapiens PAC clone DJ0740D02 from 7p14-p15, complete sequence.//2.0e-22:276:73//AC004691  
 R-NT2RP2000459//CIT-HSP-2013N9.TR CIT-HSP Homo sapiens genomic clone 2013N9, genomic survey sequence.//5.5e-27:205:87//853940  
 R-NT2RP2000498//Homo sapiens Chromosome 11q23 PAC clone pDJ149k2 containing PLZF gene encoding kruppel-like zinc finger protein, complete sequence.//6.0e-12:119:84//AC001234  
 R-NT2RP2000503//Human CYP11B2 gene for steroid 18-hydroxylase (P-450 C18), 5'-flanking region and exon 1.//0.48:201:64//D10170  
 R-NT2RP2000510//Bactrocera dorsalis strain Tahiti mitochondrial D-loop region, complete sequence.//3.6e-07:472:59//AF033929  
 R-nnnnnnnnnnnnn  
 R-NT2RP2000523//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 150C2, WORKING DRAFT SEQUENCE.//2.3e-61:317:97//AL022318  
 R-NT2RP2000603//Homo sapiens mRNA for MCM3 import factor, complete cds.//6.6e-29:167:97//AB005543  
 R-NT2RP2000617  
 R-NT2RP2000634//Homo sapiens mRNA for KIAA0614 protein, partial cds.//2.5e-64:335:96//AB014514  
 R-NT2RP2000644//Human DNA sequence from PAC 50A13 on chromosome Xp11. Contains ATP SYNTHASE LIPID BINDING PROTEIN P1 (P2, P3) precursor (ATP5G1, ATP5G2, ATP5G3) like pseudogene, ESTs and STSs. Contains polymorphic CA repeat.//1.8e-28:383:70//Z92545  
 R-NT2RP2000656//Homo sapiens DNA sequence from PAC 874C20 on chromosome 6p22.1-22.3. Contains a Zinc Finger Protein ZFP47 LIKE gene, a Zinc Finger Protein pseudogene and a Zinc Finger Protein SRE-ZBP pseudogene. Contains ESTs, STSs and GSSs, complete sequence.//0.0093:110:70//AL021997  
 R-NT2RP2000658//Bacillus thuringiensis chitinase (chi) gene, complete cds.//0.73:301:60//U89796  
 R-NT2RP2000668  
 R-NT2RP2000678//Homo sapiens genomic DNA, chromosome 21q22.2 (Down Syndrome region), segment 8/15, WORKING DRAFT SEQUENCE.//2.8e-11:256:66//AP000015  
 R-NT2RP2000710//Genomic sequence from Human 17, WORKING DRAFT SEQUENCE, 9 unordered pieces.//0.036:176:69//AC002346  
 R-NT2RP2000715//Homo sapiens PAC clone DJ1066K24 from 7p15, complete sequence.//2.7e-110:555:96//AC004540  
 R-NT2RP2000731//Human DNA sequence from clone 497J21 on chromosome 6q26-27. Contains a KOC (KH-domain containing transcript overexpressed in cancer) pseudogene, genomic marker D6S193, ESTs, STSs and GSSs, and a ca repeat polymorphism, complete sequence.//2.6e-18:319:68//AL023775  
 R-NT2RP2000758//CIT-HSP-507A14.TP CIT-HSP Homo sapiens genomic clone 507A14, genomic survey sequence.//1.0:189:60//B50590  
 R-NT2RP2000764  
 R-NT2RP2000809//Human BAC clone RG356F09 from 7p21, complete sequence.//1.7e-24:215:81//AC004002  
 R-NT2RP2000812//CIT-HSP-2281C3.TR CIT-HSP Homo sapiens genomic clone 2281C3, genomic survey se-

- quence.//9.5e-32:176:97//B99575  
 R-nnnnnnnnnnnn//paramecium species 5,87 mt dna dimer: replication init. region.//0.0077:418:57//K00916  
 R-NT2RP2000816//F.rubripes GSS sequence, clone 011H02aA6, genomic survey sequence.//0.61:52:73//AL011013
- 5 R-NT2RP2000819  
 R-NT2RP2000841//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 43408, WORKING DRAFT SEQUENCE.//0.00012:181:70//AL033504  
 R-NT2RP2000842//Mus musculus (C57BL/10 X C3H)F2 clone 4.9 novel mRNA from reninexpressing kidney tumor cell line, partial sequence.//3.7e-27:388:72//U13370
- 10 R-NT2RP2000845//Homo sapiens chromosome 17, clone hRPK.849\_N\_15, complete sequence.//0.0022:200:68//AC005703  
 R-NT2RP2000863  
 R-NT2RP2000880//Homo sapiens mRNA for putative GTP-binding protein, partial.//2.3e-43:279:89//AJ006412  
 R-NT2RP2000892//Homo sapiens genomic DNA of 9q32 anti-oncogene of flat epitherium cancer , segment 7/10.//0.0028:221:62//AB020875
- 15 R-NT2RP2000931//Homo sapiens mRNA for KIAA0723 protein, complete cds.//2.2e-55:290:96//AB018266  
 R-NT2RP2000938//Homo sapiens full-length insert cDNA clone ZD55G12.//2.1e-37:215:93//AF086336  
 R-NT2RP2000943//Homo sapiens mRNA for KIAA0755 protein, complete cds.//3.0e-96:494:96//AB018298  
 R-NT2RP2000965
- 20 R-NT2RP2000970//Homo sapiens DNA sequence from BAC 747E2 on chromosome 22q12.1. Contains ESTs, STSs and GSSs and genomic marker D22S56, complete sequence.//4.5e-87:440:97//AL021393  
 R-NT2RP2000985//Homo sapiens chromosome 17, clone hRPK.597\_M\_12, complete sequence.//5.4e-93:484:95//AC005277  
 R-NT2RP2000987//Plasmodium falciparum chromosome 2, section 9 of 73 of the complete sequence.//2.1e-06:318:62//AE001372
- 25 R-NT2RP2001036//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 410I8, WORKING DRAFT SEQUENCE.//2.0e-24:273:73//AL031732  
 R-NT2RP2001044//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-420 genomic sequence, WORKING DRAFT SEQUENCE, 14 unordered pieces.//3.3e-07:365:65//AC005140
- 30 R-NT2RP2001065//Caenorhabditis elegans cosmid F10G7.//9.2e-06:273:59//U40029  
 R-NT2RP2001070//CITBI-E1-2503F4.TF CITBI-E1 Homo sapiens genomic clone 2503F4, genomic survey sequence.//0.13:97:72//AQ265973  
 R-NT2RP2001094//Mycoplasma mycoides mycoides SC immunodominant protein P72 (p72) gene, complete cds, mannitol-1-phosphate dehydrogenase (mt1D) gene, partial cds and insertion sequence IS1296, complete sequence.//0.018:373:57//U61140
- 35 R-NT2RP2001119  
 R-NT2RP2001127//Homo sapiens HRIHFB2060 mRNA, partial cds.//4.5e-55:304:94//AB015348  
 R-NT2RP2001137//Homo sapiens DNA sequence from clone 511B24 on chromosome 20q11.2-12. Contains the TOP1 gene for Topoisomerase I, the PLCG1 gene for 1-Phosphatidylinositol-4,5-Bisphosphate Phosphodiesterase Gamma 1 (EC 3.1.4.11, PLC-Gamma-1, Phospholipase C-Gamma-1 PLC-II, PLC-148), the KIAA0395 gene for a probable Zinc Finger Homeobox protein and a 60S Ribosomal Protein L23 LIKE pseudogene. Contains a predicted CpG island, ESTs, STSs and GSSs, complete sequence.//0.69:129:65//AL022394
- 40 R-NT2RP2001149//Sequence 5 from Patent US 4798885.//8.5e-28:322:77//I01838  
 R-NT2RP2001168
- 45 R-NT2RP2001173//Homo sapiens mRNA for KIAA0480 protein, complete cds.//4.8e-95:490:96//AB 007949  
 R-NT2RP2001174//CIT-HSP-2170B18.TR CIT-HSP Homo sapiens genomic clone 2170B18, genomic survey sequence.//1.3e-33:204:93//B89680  
 R-NT2RP2001196//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig3-65, complete sequence.//1.7e-06:413:61//AL010134
- 50 R-NT2RP2001218//Human DNA sequence from clone 23K20 on chromosome Xq25-26.2 Contains EST, STS, GSS, complete sequence.//8.5e-15:278:68//AL022153  
 R-NT2RP2001226//Human DNA sequence from clone 1170D6 on chromosome Xq22.3-23. Contains a pseudogene similar to U-SNRNP associated Cyclophilin (USA-CYP, EC 5.2.1.8), ESTs, an STS and a GSS, complete sequence.//0.0020:462:57//AL030995
- 55 R-NT2RP2001233//CIT-HSP-2356P23.TR CIT-HSP Homo sapiens genomic clone 2356P23, genomic survey sequence.//8.0e-108:547:96//AQ081110  
 R-NT2RP2001245//Spodoptera frugiperda 16S rRNA gene, Val-tRNA, and Leu-tRNA genes, and ND-1 protein gene, 5' end.//0.0052:350:58//M76713

- R-NT2RP2001268//Homo sapiens mRNA for KIAA0810 protein, partial cds.//4.6e-111:544:97//AB018353
- R-NT2RP2001277//Caenorhabditis elegans DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y59A8, WORKING DRAFT SEQUENCE.//0.0058:327:59//Z98870
- 5 R-NT2RP2001290//Plasmodium falciparum 3D7 chromosome 12 PFYAC1122 genomic sequence, WORKING DRAFT SEQUENCE, 3 unordered pieces.//0.96:187:65//AC004709
- R-NT2RP2001295//Homo sapiens BAC clone NH0491B03 from 7p21-p15, complete sequence.//0.59:218:62//AC006041
- R-NT2RP2001312//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 349A12, WORKING DRAFT SEQUENCE.//0.12:117:64//AL033520
- 10 R-NT2RP2001327//Caenorhabditis elegans cosmid R04D3, complete sequence.//0.31:119:66//Z70212
- R-NT2RP2001328//HS\_2213\_A1\_D07\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2213 Col=13 Row=G, genomic survey sequence.//1.7e-22:200:83//AQ136874
- R-NT2RP2001347//Plasmodium falciparum MAL3P8, complete sequence.//0.81:509:56//AL034560
- R-NT2RP2001378//H.sapiens DNA sequence.//0.94:147:63//Z22404
- 15 R-NT2RP2001381//Homo sapiens cyclin E2 mRNA, complete cds.//3.2e-09:75:97//AF091433
- R-NT2RP2001392//Myxococcus xanthus ATP-dependent protease (bsgA) gene, complete cds.//0.079:178:62//L19301
- R-NT2RP2001394//Human DNA sequence from PAC 389A20 on chromosome X contains ESTs STS, CpG islands and polymorphic CA repeat.//3.4e-60:351:90//Z93242
- 20 R-NT2RP2001397//Hamster mRNA for cyclinB2, complete cds.//5.4e-55:320:83//D17294
- R-NT2RP2001420//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1108D11, WORKING DRAFT SEQUENCE.//1.0e-44:246:85//AL034419
- R-NT2RP2001423//Human DNA sequence from clone 726F20 on chromosome 1p36.11-36.23. Contains ESTs and a GSS, complete sequence.//3.7e-05:417:61//AL031273
- 25 R-NT2RP2001427//Human Chromosome 11 Cosmid cSRL34e5, complete sequence.//0.94:287:59//U73643
- R-NT2RP2001436//Mus musculus clone OST1784, genomic survey sequence.//5.2e-31:299:77//AF046702
- R-NT2RP2001440//Rattus norvegicus mRNA for 14-3-3 protein gamma-subtype, complete cds.//7.8e-75:548:83//D17447
- R-NT2RP2001445//Homo sapiens 12q13.1 PAC RPC11-228P16 (Roswell Park Cancer Institute Human PAC Library) complete sequence.//1.0e-06:452:59//AC004801
- 30 R-NT2RP2001449//Homo sapiens clone DJ0647C14, WORKING DRAFT SEQUENCE, 21 unordered pieces.//5.1e-08:218:67//AC004846
- R-NT2RP2001450
- R-NT2RP2001467//Human BAC clone RG343P13 from 7q31, complete sequence.//3.8e-31:254:83//AC002465
- 35 R-NT2RP2001506//C.barati p-47, ntnt, bonT genes.//1.2e-06:415:60//Y12091
- R-NT2RP2001511//Plasmodium falciparum MAL3P7, complete sequence.//0.11:155:63//AL034559
- R-NT2RP2001520//Homo sapiens mRNA for mitochondrial carrier protein ARALAR1.//2.1e-104:545:95//Y14494
- R-NT2RP2001526//Homo sapiens chromosome 17, clone hCIT.175\_E\_5, complete sequence.//7.0e-16:283:68//AC004596
- 40 R-NT2RP2001536//Human DNA from chromosome 14-specific cosmid containing XRCC3 DNA repair gene, genomic sequence, complete sequence.//7.7e-16:108:96//AF037222
- R-NT2RP2001560//CIT978SK-A-56H4.TP CIT978SK Homo sapiens genomic clone A-56H4, genomic survey sequence.//0.052:112:66//B73597
- R-NT2RP2001569//CIT-HSP-2335F8.TF CIT-HSP Homo sapiens genomic clone 2335F8, genomic survey sequence.//6.0e-78:383:98//AQ042029
- 45 R-NT2RP2001576//Homo sapiens sulfonyleurea receptor (SUR2) gene, exon 37.//0.33:135:66//AF061322
- R-NT2RP2001581//Homo sapiens (clone MFD220) PCR primer.//2.7e-07:240:63//L15407
- R-NT2RP2001597//HS\_3016\_B2\_F06\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3016 Col=12 Row=L, genomic survey sequence.//5.3e-45:310:87//AQ118854
- 50 R-NT2RP2001601//Homo sapiens chromosome 17, clone hRPK.855\_D\_21, complete sequence.//0.015:445:58//AC006079
- R-NT2RP2001613//Mus musculus orphan nuclear hormone receptor (CAR) gene, complete sequence.//3.5e-16:413:63//AF009326
- R-NT2RP2001628//Phytomonas serpens kinetoplast maxicircle ribosomal protein S12 (G6) edited mRNA, complete cds.//0.11:190:63//AF034626
- 55 R-NT2RP2001663//Homo sapiens Chromosome 16 BAC clone CIT987SK-625P11, complete sequence.//3.0e-26:157:81//AC004125
- R-NT2RP2001677//Homo sapiens chromosome 9, P1 clone 11659, complete sequence.//3.0e-58:305:96//

- AC004472  
 R-NT2RP2001678//Human BAC clone RG222A16 from 7q31, complete sequence.//0.95:107:66//AC002385  
 R-NT2RP2001699//Mus musculus erythroid ankyrin and two alternatively spliced erythroid ankyrins (Ank1) gene, putative exon 41 and partial cds.//8.8e-05:211:63//U76758
- 5 R-NT2RP2001720//Homo sapiens PAC clone DJ0167F23 from 7p15, complete sequence.//4.7e-68:352:97//AC004079  
 R-NT2RP2001721//HS-1052-B1-G06-MF.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 774 Col=11 Row=N, genomic survey sequence.//7.7e-05:346:59//B40914  
 R-NT2RP2001740//HS\_3213\_A2\_D02\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3213 Col=4 Row=G, genomic survey sequence.//1.1e-16:162:82//AQ175104
- 10 R-NT2RP2001748//Human gene for L-histidine decarboxylase, complete cds.//2.0e-33:312:77//D16583  
 R-NT2RP2001762//Homo sapiens chromosome 1, BAC CIT-HSP-292g8 (BC262482), complete sequence.//2.3e-100:435:97//AC004783  
 R-NT2RP2001813//Human leukocyte common antigen T200 (CD45, LCA) gene, exon 9//0.031:261:60//M23468
- 15 R-NT2RP2001861  
 R-NT2RP2001869//Sequence 5 from patent US 5595900//4.2e-21:194:77//I34189  
 R-NT2RP2001876  
 R-NT2RP2001883//Human DNA sequence from clone 612B18 on chromosome 1q24-25.3 Contains exon from gene similar to 40S ribosomal protein, first coding exon of dynamin 2 (DYNII). ESTs, STS, GSS, CpG Island, complete sequence.//5.0e-111:485:97//AL031864
- 20 R-NT2RP2001900  
 R-NT2RP2001907//Human proto-oncogene tyrosine-protein kinase (ABL) gene, exon 1a and exons 2-10, complete cds.//5.4e-42:382:77//U07563  
 R-NT2RP2001926//HS\_3180\_B2\_F02\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3180 Col=4 Row=L, genomic survey sequence.//2.8e-25:138:80//AQ185415
- 25 R-NT2RP2001936//Plasmodium falciparum 3D7 chromosome 12 PFYAC1383 genomic sequence, WORKING DRAFT SEQUENCE, 3 unordered pieces.//1.0:320:60//AC005504  
 R-NT2RP2001943//Dictyostelium discoideum PkgA (pkgA) gene, partial cds.//1.4e-08:378:59//AF020280  
 R-NT2RP2001946//Homo sapiens clone NH0140K04, complete sequence.//3.6e-85:409:100//AC005033
- 30 R-NT2RP2001947//Human mRNA for KIAA0390 gene, complete cds.//0.85:140:64//AB002388  
 R-NT2RP2001969  
 R-NT2RP2001976//CIT-HSP-2281C3.TR CIT-HSP Homo sapiens genomic clone 2281C3, genomic survey sequence.//2.0e-60:307:98//B99575  
 R-NT2RP2001985//Arabidopsis thaliana DNA chromosome 4, BAC clone F1N20 (ESSAI project).//0.031:282:61//AL022140
- 35 R-NT2RP2002025  
 R-NT2RP2002032//CITBI-E1-2502C19.TF CITBI-E1 Homo sapiens genomic clone 2502C19, genomic survey sequence.//1.2e-52:285:95//AQ264715  
 R-NT2RP2002033//Human (lambda) DNA for immunoglobulin light chain.//1.1e-08:389:61//D88270
- 40 R-NT2RP2002041//Homo sapiens 12p13.3 BAC RPCI11-319E16 (Roswell Park Cancer Institute Human BAC Library) complete sequence.//1.1e-49:264:97//AC006206  
 R-NT2RP2002046//Human BAC clone GS119P05 from 7q21, complete sequence.//0.0023:429:61//AC004011  
 R-NT2RP2002047//P.falciparum PK1 gene.//0.00015:239:62//X83707
- 45 R-NT2RP2002058//HS\_2183\_A1\_G01\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2183 Col=1 Row=M, genomic survey sequence.//1.2e-21:185:84//AQ022560  
 R-NT2RP2002066//G.gallus microsatellite DNA (LEI0222 (=T15ivD04)).//0.18:102:70//Z83792  
 R-NT2RP2002070//P.falciparum major merozoite surface antigen (PMMSA) mRNA, complete cds, isolate FC27.//0.95:192:61//M19143
- 50 R-NT2RP2002076//Homo sapiens clone 24804 mRNA sequence.//3.8e-25:182:86//AF052183  
 R-NT2RP2002079//Human DNA sequence from clone 431P23 on chromosome 6q27. Contains the first coding exon of the MLLT4 gene for myeloid/lymphoid or mixed-lineage leukemia (trithorax (Drosophila) homolog); translocated to, 4 (AF-6, Afadin, MLLT-4, ALL-1 fusion partner), and a Serine Palmitoyltransferase 2 (EC 2.3.1.50, Long Chain Base Biosynthesis protein 2, LCB-2, SPT-2) pseudogene. Contains ESTs, STss, GSSs, and a putative CpG island, complete sequence.//1.7e-10:97:90//AL009178
- 55 R-NT2RP2002099//Homo sapiens mRNA for E1B-55kDa-associated protein.//4.6e-59:376:89//AJ007509  
 R-NT2RP2002105  
 R-NT2RP2002124//RPCI11-75J16.TJ RPCI11 Homo sapiens genomic clone R-75J16, genomic survey sequence.//0.58:191:64//AQ266779



R-NT2RP2002137//Homo sapiens Xp22-175-176 BAC GSHB-484O17 (Genome Systems Human BAC Library) complete sequence//0.0065:294:61//AC005913

R-NT2RP2002154

5 R-NT2RP2002172//RPC111-90C20.TJ RPC111 Homo sapiens genomic clone R-90C20, genomic survey sequence//0.049:160:65//AQ282591

R-NT2RP2002185//CIT-HSP-2341115.TF CIT-HSP Homo sapiens genomic clone 2341115, genomic survey sequence//6.0e-36:230:90//AQ053355

10 R-NT2RP2002192//HS\_2222\_B1\_F08\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2222 Col=15 Row=L, genomic survey sequence//1.9e-15:249:71//AQ178491

R-NT2RP2002193//Rattus norvegicus potassium channel regulatory protein KChAP mRNA, complete cds//4.7e-35:438:73//AF032872

R-NT2RP2002208//Hansenula wingei mitochondrial DNA, complete sequence//0.00057:468:57//D31785

R-NT2RP2002219//HS\_2058\_A1\_C09\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2058 Col=17 Row=E, genomic survey sequence//3.4e-55:512:77//AQ234380

15 R-NT2RP2002231//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 3-31, complete sequence//1.5e-06:398:61//Z98557

R-nnnnnnnnnnnn//Sequence 11 from patent US 5624818//3.3e-91:553:87//I41141

R-NT2RP2002256//Homo sapiens retinoic acid hydroxylase mRNA, complete cds//3.0e14:132:84//AF005418

R-NT2RP2002259//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 118J21, WORKING DRAFT SEQUENCE//1.6e-96:548:91//AL033527

20 R-NT2RP2002270//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-248F7, complete sequence//5.1e-06:391:60//AC004605

R-NT2RP2002292//Genomic sequence from Human 13, complete sequence//0.91:159:64//AC001226

R-NT2RP2002312//Homo sapiens CDP-diacylglycerol synthase 2 (CDS2) mRNA, partial cds//1.3e-101:527:94//AF069532

25 R-NT2RP2002316//Plasmodium falciparum chromosome 2, section 45 of 73 of the complete sequence//0.00052:389:59//AE001408

R-NT2RP2002325//Homo sapiens peroxisomal biogenesis factor (PEX11a) mRNA, complete cds//2.3e-112:567:95//AF093668

30 R-NT2RP2002333//Rat POU domain factor (Brn-5) mRNA//1.5e-22:323:73//L23204

R-NT2RP2002385//Homo sapiens synaptic glycoprotein SC2 spliced variant mRNA, complete cds//3.7e-102:600:89//AF038958

R-NT2RP2002394//Plasmodium falciparum 3D7 chromosome 12 PFYAC492 genomic sequence, WORKING DRAFT SEQUENCE, 5 unordered pieces//0.039:399:59//AC005308

35 R-NT2RP2002408//HS\_2212\_A1\_E09\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2212 Col=17 Row=I, genomic survey sequence//9.6e-35:231:88//AQ184632

R-NT2RP2002426//Human DNA sequence from clone 101G11 on chromosome 22q12. Contains an ACO2 (Mitochondrial Aconitate Hydratase (Aconitase, Citrate Hydro-Lyase, EC 4.2.1.3)) pseudogene, ESTs, STSs, GSSs and a putative CpG island, complete sequence//2.8e-39:308:82//AL021877

40 R-NT2RP2002439//Leishmania tarentolae mitochondrial electron transport chain component mRNA//0.022:102:71//M74225

R-NT2RP2002457//Homo sapiens DNA sequence from PAC 142L7 on chromosome 6q21. Contains a Laminin Alpha 4 (LAMA4) LIKE gene coding for two alternatively spliced transcripts, a Tubulin Beta LIKE pseudogene, a Connective tissue growth factor (NOV, GIG) LIKE gene, A predicted CpG island, ESTs, STSs and genomic marker D6S416, complete sequence//0.00099:354:59//Z99289

45 R-NT2RP2002464//Homo sapiens genomic DNA, chromosome 21q22.2 (Down Syndrome region), segment 6/15, WORKING DRAFT SEQUENCE//0.0015:219:67//AP000013

R-NT2RP2002475

R-nnnnnnnnnnnn//Homo sapiens mRNA for ABC transporter 7 protein, complete cds//3.1e-113:605:92//AB005289

50 R-NT2RP2002498//Human DNA sequence from PAC 162H14 on chromosome 22. Contains 3' part of a FIBULIN 1 like gene and ESTs, complete sequence//0.32:210:64//Z98047

R-NT2RP2002503//Homo sapiens, clone hRPK.15\_A\_1, complete sequence//4.0e-86:429:98//AC006213

R-NT2RP2002504//Homo sapiens mRNA for KIAA0791 protein, complete cds//2.7e-105:583:91//AB018334

55 R-NT2RP2002520//Saccharomyces cerevisiae mitochondrial tRNA-Tyr, tRNA-Asn, & amp; tRNA-Met genes//0.14:406:58//AJ223323

R-NT2RP2002537//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 500L14, WORKING DRAFT SEQUENCE//2.8e-16:188:78//AL023583

# EP 1 074 617 A2

R-NT2RP2002546//Homo sapiens clone TUA8 Cri-du-chat region mRNA//4.7e-108:571:93//AF009314  
 R-NT2RP2002549//Human Chromosome 15q26.1 PAC clone pDJ10k5 containing human DNA polymerase gamma (polg) gene, complete sequence//1.1e-103:422:95//AC005316  
 R-NT2RP2002591//Human DNA binding protein (HPF2) mRNA, complete cds//1.8e-36:526:67//M27878  
 5 R-NT2RP2002595  
 R-NT2RP2002606//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 2705, WORKING DRAFT SEQUENCE//7.2e-10:211:71//AL033529  
 R-NT2RP2002609  
 R-NT2RP2002618//Plasmodium falciparum MAL3P6, complete sequence//2.9e-05:566:60//Z98551  
 10 R-NT2RP2002621//Human DNA sequence from PAC 341110 on chromosome 6q22.2-22.33. Contains 60S ribosomal protein L5 like (pseudo)gene, ESTs and STSs//1.1e-38:348:78//Z97352  
 R-NT2RP2002643//Homo sapiens chromosome 11 clone pTWB15.28 map 11p15.4-p15.5, genomic survey sequence//1.2e-35:414:66//AF074030  
 R-NT2RP2002672//Homo sapiens chromosome 10 clone CIT-HSP-1326H7 map 10q24.3-10q25.1, complete sequence//1.3e-77:403:95//AC005384  
 15 R-NT2RP2002701  
 R-NT2RP2002706//Homo sapiens chromosome 19, cosmid F22676, complete sequence//4.0e-42:147:90//AC005778  
 R-NT2RP2002710//P.falciparum serine rich protein (SERP I) gene//0.84:135:67//J03983  
 20 R-NT2RP2002727//, complete sequence//1.0:363:59//AC005815  
 R-NT2RP2002736//Arabidopsis thaliana chromosome II BAC T17M13 genomic sequence, complete sequence//0.44:267:60//AC004138  
 R-NT2RP2002740//Homo sapiens Xp22 BAC GSHB-600G8 (Genome Systems Human BAC library) complete sequence//0.0016:474:60//AC004674  
 25 R-NT2RP2002741//HS\_3051\_B1\_H11\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3051 Col=21 Row=P, genomic survey sequence//1.1e-38:217:86//AQ106283  
 R-NT2RP2002750//Homo sapiens 12q24.1 PAC RPCI1-315L5 (Roswell Park Cancer Institute Human PAC library) complete sequence//5.0e-36:430:75//AC002395  
 R-NT2RP2002752//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 366L4, WORKING DRAFT SEQUENCE//8.2e-41:437:76//AL023494  
 30 R-NT2RP2002753//Homo sapiens clone DJ076B20, WORKING DRAFT SEQUENCE, 6 unordered pieces//6.8e-100:496:97//AC004882  
 R-NT2RP2002769//paramecium species 5,311 mt dna dimer: replication init. region//7.4e-10:404:60//K00917  
 R-NT2RP2002778//Homo sapiens clone 24606 mRNA sequence//1.2e-63:341:94//AF070537  
 35 R-NT2RP2002800//RPCI11-37G8.TV RPCI-11 Homo sapiens genomic clone RPCI-11-37G8, genomic survey sequence//4.9e-60:321:95//AQ029850  
 R-NT2RP2002839//Homo sapiens Chromosome 11q12.2 PAC clone pDJ688p12 containing uteroglobin gene, WORKING DRAFT SEQUENCE, 11 unordered pieces//2.9e-100:492:98//AC006078  
 R-NT2RP2002857//HS\_3026\_B2\_H07\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3026 Col=14 Row=P, genomic survey sequence//8.9e-06:242:62//AQ 128697  
 40 R-NT2RP2002862//RPCI11-42115.TJ RPCI11 Homo sapiens genomic clone R-42115, genomic survey sequence//1.5e-44:270:85//AQ052700  
 R-NT2RP2002880//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 150C2, WORKING DRAFT SEQUENCE//1.0:295:58//AL022318  
 45 R-NT2RP2002891  
 R-NT2RP2002925//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 243L18, WORKING DRAFT SEQUENCE//2.0e-24:395:67//AL034395  
 R-NT2RP2002928//Plasmodium falciparum MAL3P5, complete sequence//0.044:461:55//AL034556  
 R-NT2RP2002929//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-420 genomic sequence, WORKING DRAFT SEQUENCE, 14 unordered pieces//0.35:491:56//AC005140  
 50 R-NT2RP2002954//Homo sapiens chromosome 17, clone hRPK.628\_E\_12, complete sequence//1.0:275:61//AC005701  
 R-NT2RP2002959//Mus musculus ubiquitin conjugating enzyme (ubc4) mRNA, complete cds//2.7e-61:508:79//U62483  
 55 R-NT2RP2002979//RPCI11-20F13.TPK RPCI-11 Homo sapiens genomic clone RPCI-11-20F13, genomic survey sequence//0.88:110:72//AQ008132  
 R-NT2RP2002980//Homo sapiens PAC clone DJ0841B21 from 7q21.1-q31.1, complete sequence//1.1e-102:433:95//AC004140

# EP 1 074 617 A2

R-NT2RP2002986//Human DNA sequence from clone 1147016 on chromosome Xp21.1-21.3. Contains 13 exons of the DMD muscular dystrophy gene. Contains an STS and GSSs, complete sequence//0.31:219:62//AL031542

R-NT2RP2002987//Homo sapiens chromosome 18, clone hRPK.24\_A\_23, complete sequence//1.3e-51:283:88//AC005968

5 R-NT2RP2002993//Human DNA sequence from PAC 106B9 on chromosome Xq21.1-4.3e-11:430:63//AL021307

R-NT2RP2003000//Saccharomyces cerevisiae mitochondrion transfer RNA- Leu, Gln, Lys, Arg, Gly, Asp, Ser2, Arg2, Ala, Ile, Tyr, Asn genes//0.00088:347:62//L36887

R-NT2RP2003034//Homo sapiens genomic DNA of 9q32 anti-oncogene of flat epitherium cancer, segment 2/10//3.5e-33:271:82//AB020870

10 R-NT2RP2003073

R-NT2RP2003099//Homo sapiens PAC clone DJ0886O08 from 7q32-q35, complete sequence//1.5e-45:548:69//AC004914

R-NT2RP2003108

R-NT2RP2003117//Homo sapiens clone DJ1137M13, complete sequence//2.0e-51:323:88//AC005378

15 R-NT2RP2003121//HS\_2238\_A1\_E08\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2238 Col=15 Row=I, genomic survey sequence//0.00055:324:61//AQ293058

R-NT2RP2003125

R-NT2RP2003129

R-NT2RP2003137//Human BAC clone RG084D04 from 7q31, complete sequence//1.1e-46:521:74//AC003084

20 R-NT2RP2003161//Homo sapiens chromosome 10 clone CIT-HSP-1287C20, complete sequence//1.0:368:59//AC005879

R-NT2RP2003164//Dictyostelium discoideum actin 4 gene, 3' UTR//1.0:120:64//M25581

R-NT2RP2003165//Homo sapiens chromosome 17, clone hRPK.1018\_N\_14, complete sequence//2.2e-71:467:86//AC005823

25 R-NT2RP2003177

R-NT2RP2003194//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 996D20, WORKING DRAFT SEQUENCE//1.1e-95:585:88//AL031597

R-NT2RP2003206//P.falciparum interspersed repeat antigen (FIRA) gene//0.039:338:60//M17877

R-NT2RP2003230//Plasmodium falciparum MAL3P6, complete sequence//1.9e-11:542:60//Z98551

30 R-NT2RP2003237//Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MDH9, complete sequence//1.0:311:60//AB016888

R-NT2RP2003243//CIT-HSP-2368D12.TR CIT-HSP Homo sapiens genomic clone 2368D12, genomic survey sequence//0.39:112:66//AQ077738

R-NT2RP2003265//Muridae sp. (mouse-rat, neuroblastoma-glioma hybrid cell line NGD5) mRNA, complete cds//1.3e-38:273:83//L38481

35 R-NT2RP2003272//Homo sapiens clone UWGC:y17c131 from 6p21, complete sequence//4.4e-15:181:66//AC004187

R-NT2RP2003277//Homo sapiens mRNA for KIAA0625 protein, partial cds//4.2e-110:565:95//AB014525

R-NT2RP2003280//Homo sapiens 12p13.3 PAC RPCI5-1180D12 (Roswell Park Cancer Institute Human PAC Library) complete sequence//3.2e-12:221:70//AC005831

40 R-NT2RP2003286//Homo sapiens chromosome 19, CIT-HSP-444n24, complete sequence//0.86:379:60//AC005261

R-NT2RP2003293//Homo sapiens clone RG252P22, WORKING DRAFT SEQUENCE, 3 unordered pieces//1.0e-39:418:74//AC005079

45 R-NT2RP2003295//HS\_2053\_B1\_A10\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2053 Col=19 Row=B, genomic survey sequence//0.0016:346:61//AQ235251

R-NT2RP2003297//Arabidopsis thaliana chromosome II BAC F4P9 genomic sequence, complete sequence//0.74:397:56//AC002332

R-NT2RP2003308//Homo sapiens PAC clone DJ1098B01 from 7q11.23-q21, complete sequence//0.99:447:60//AC004960

50 R-NT2RP2003329//C.reinhardtii psbB 5' flanking region//0.79:161:59//X59731

R-NT2RP2003339//RPCI11-57H15.TK RPCI11 Homo sapiens genomic clone R-57H15, genomic survey sequence//0.13:184:64//AQ116039

R-NT2RP2003347//RPCI11-15B19.TV RPCI-11 Homo sapiens genomic clone RPCI-11-15B19, genomic survey sequence//6.4e-31:218:89//B76357

55 R-NT2RP2003367//Human Chromosome 16 BAC clone CIT987SK-A-363E6, complete sequence//9.0e-11:101:84//U91321

R-NT2RP2003391//HS\_2255\_B2\_B04\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-

# EP 1 074 617 A2

nomic clone Plate=2255 Col=8 Row=D, genomic survey sequence.//1.6e-38:247:90//AQ068937  
 R-NT2RP2003393//RPC111-44K6.TJ RPC111 Homo sapiens genomic clone R-44K6, genomic survey sequence.//  
 3.9e-31:290:79//AQ020481  
 R-NT2RP2003394//Yeast mitochondrial oxi3 gene exon 1 for cytochrome c oxidase subunit I.//5.1e-14:579:61//  
 5 X14910  
 R-NT2RP2003401//Caprine arthritis-encephalitis virus tat protein (tat) and envelope glycoprotein (env) gene, par-  
 tial cds.//0.32:174:66//U81429  
 R-NT2RP2003433//Ascidian mRNA for HRSec61, complete cds.//1.5e-10:193:69//D25536  
 R-NT2RP2003445//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y313F4, WORKING  
 10 DRAFT SEQUENCE.//4.4e-99:585:89//AL023808  
 R-NT2RP2003446  
 R-NT2RP2003456//Plasmodium falciparum MAL3P7, complete sequence.//0.98:399:57//AL034559  
 R-NT2RP2003480//Homo sapiens full-length insert cDNA clone ZE09A11.//4.7e-111:540:98//AF086540  
 R-NT2RP2003499  
 15 R-NT2RP2003506  
 R-NT2RP2003511  
 R-NT2RP2003513//Human mRNA for KIAA0270 gene, partial cds.//4.1e-107:566:93//D87460  
 R-NT2RP2003517//Human c-sis/platelet-derived growth factor 2 (SIS/PDGF2) mRNA, complete cds.//1.5e-60:  
 518:79//M12783  
 20 R-NT2RP2003522//HS\_2182\_A1\_D05\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 nomic clone Plate=2182 Col=9 Row=G, genomic survey sequence.//0.053:251:60//AQ024304  
 R-NT2RP2003533//Homo sapiens chromosome 12p13.3 clone RPC14-816N1, WORKING DRAFT SEQUENCE,  
 31 unordered pieces.//1.5e-37:328:80//AC005841  
 R-NT2RP2003543//HS\_3028\_A2\_C12\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 25 nomic clone Plate=3028 Col=24 Row=E, genomic survey sequence.//2.0e-39:203:100//AQ094957  
 R-NT2RP2003559//Homo sapiens full-length insert cDNA clone ZD65E09.//2.3e-59:325:95//AF088055  
 R-NT2RP2003564  
 R-NT2RP2003581  
 R-NT2RP2003596//HS\_2163\_B1\_D11\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 30 nomic clone Plate=2163 Col=21 Row=H, genomic survey sequence.//0.0011:212:67//AQ125143  
 R-NT2RP2003604//Homo sapiens alpha-catenin-like protein mRNA, complete cds.//5.4e-102:501:97//U97067  
 R-NT2RP2003629//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-628 genomic sequence, WORKING  
 DRAFT SEQUENCE, 9 unordered pieces.//0.0012:363:61//AC005507  
 R-NT2RP2003643//Mus musculus mRNA for CMP-N-acetylneuraminic acid synthetase.//5.1e-37:561:68//  
 35 AJ006215  
 R-NT2RP2003668//Human DNA sequence from PAC 24608, between markers DXS6791 and DXS8038 on chro-  
 mosome X contains ESTs.//0.0053:395:58//Z76735  
 R-NT2RP2003687//Human BAC clone RG222A16 from 7q31, complete sequence.//8.0e-10:205:67//AC002385  
 R-NT2RP2003691//HS\_3252\_A2\_A11\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
 40 nomic clone Plate=3252 Col=22 Row=A, genomic survey sequence.//5.3e-05:332:60//AQ219783  
 R-NT2RP2003702//CIT-HSP-2333P5.TF CIT-HSP Homo sapiens genomic clone 2333P5, genomic survey se-  
 quence.//3.9e-43:431:75//AQ035000  
 R-NT2RP2003704  
 R-NT2RP2003706//Homo sapiens mRNA for KIAA0525 protein, partial cds.//2.6e-45:265:93//AB011097  
 45 R-NT2RP2003713//Human DNA sequence from PAC 411B6 on chromosome X \*.//0.64:169:67//Z84470  
 R-NT2RP2003714//Human DNA sequence from 4PTL, Huntington's Disease Region, chromosome 4p16.3.//  
 4.6e-11:152:73//295704  
 R-nnnnnnnnnnnn//H.sapiens mRNA for PIBF1 protein, complete.//0.94:443:59//Y09631  
 R-NT2RP2003737//Homo sapiens clone DJ1022I14, WORKING DRAFT SEQUENCE, 14 unordered pieces.//  
 50 2.2e-109:547:96//AC004951  
 R-NT2RP2003751//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-427H10, complete sequence.//4.1e-  
 109:545:97//AC004626  
 R-NT2RP2003760//B. taurus mRNA for gamma-COP.//6.3e-28:400:69//X70019  
 R-NT2RP2003764//Mouse preprosomatostatin gene.//0.90:285:62//X51468  
 55 R-NT2RP2003769//Schizosaccharomyces pombe gene for protein involved in sexual development, complete  
 cds.//0.96:446:58//D87956  
 R-NT2RP2003770//Homo sapiens sperm acrosomal protein mRNA, complete cds.//1.8e-104:531:96//AF047437  
 R-NT2RP2003777

# EP 1 074 617 A2

R-NT2RP2003781//HS\_3109\_B1\_B04\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3109 Col=7 Row=D, genomic survey sequence.//1.3e-60:346:92//AQ186749  
R-NT2RP2003793  
R-NT2RP2003840  
5 R-NT2RP2003857//HS\_2205\_A2\_H12\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2205 Col=24 Row=O, genomic survey sequence.//8.1e-22:127:99//AQ151299  
R-NT2RP2003859//RPCI11-37G8.TV RPCI-11 Homo sapiens genomic clone RPCI-11-37G8, genomic survey sequence.//8.3e-60:320:95//AQ029850  
R-NT2RP2003871//HS\_3210\_A1\_C08\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3210 Col=15 Row=E, genomic survey sequence.//8.6e-09:322:61//AQ175028  
10 R-NT2RP2003885//RPCI11-7M10.TP RPCI-11 Homo sapiens genomic clone RPCI-11-7M10, genomic survey sequence.//4.7e-67:380:92//B72214  
R-NT2RP2003912//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 32B1, WORKING DRAFT SEQUENCE.//1.2e-33:379:75//AL023693  
15 R-NT2RP2003952  
R-NT2RP2003968//Homo sapiens hUBP mRNA for ubiquitin specific protease, complete cds.//2.3e-114:568:97//AB014458  
R-NT2RP2003976//Homo sapiens mRNA for KIAA0447 protein, complete cds.//1.1e-107:540:97//AB007916  
R-NT2RP2003981//Homo sapiens mRNA for KIAA0804 protein, partial cds.//7.7e-114:568:96//AB018347  
20 R-NT2RP2003984  
R-NT2RP2003986//Human Chromosome 11 pac pDJ197h17, WORKING DRAFT SEQUENCE, 11 unordered pieces.//6.6e-99:551:92//AC0003 82  
R-NT2RP2003988  
R-NT2RP2004014  
25 R-NT2RP2004041//Homo sapiens chromosome 19, cosmid F17127, complete sequence.//4.9e-114:568:97//AC004780  
R-NT2RP2004042//nbxb0020F03r CUGI Rice BAC Library Oryza sativa genomic clone nbxb0020F03r, genomic survey sequence.//0.11:195:64//AQ258389  
R-nnnnnnnnnnnn//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 134019, WORKING DRAFT SEQUENCE.//7.6e-110:564:95//AL034555  
30 R-NT2RP2004081//Plasmodium falciparum 3D7 chromosome 12 PFYAC492 genomic sequence, WORKING DRAFT SEQUENCE, 5 unordered pieces.//0.012:503:57//AC005308  
R-NT2RP2004098//H.sapiens CpG island DNA genomic MseI fragment, clone 133h3, reverse read cpg133h3.rt1a.//7.9e-25:140:100//Z64530  
35 R-NT2RP2004124  
R-NT2RP2004142//CIT-HSP-2316F21.TR CIT-HSP Homo sapiens genomic clone 2316F21, genomic survey sequence.//2.8e-83:409:98//AQ034964  
R-NT2RP2004152//HS\_3065\_A2\_D04\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3065 Col=8 Row=G, genomic survey sequence.//2.5e-62:304:100//AQ137776  
40 R-NT2RP2004165//Anthocidaris crassispina mRNA for dynein beta-heavy chain, complete cds.//3.4e-20:343:65//D01021  
R-NT2RP2004170//\*\*\* SEQUENCING IN PROGRESS \*\*\* Homo sapiens chromosome 4, BAC clone B33108; HTGS phase 1, WORKING DRAFT SEQUENCE, 10 unordered pieces.//2.5e-89:587:86//AC004064  
R-NT2RP2004172//Dictyostelium discoideum LTR-retrotransposon Skipper, partial genomic sequence, 3' end.//0.24:440:60//AF017047  
45 R-NT2RP2004187//RPCI11-59E12.TK RPCI11 Homo sapiens genomic clone R-59E12, genomic survey sequence.//3.1e-05:175:66//AQ198120  
R-NT2RP2004194  
R-NT2RP2004196//Fugu rubripes GSS sequence, clone 076D01bE2, genomic survey sequence.//1.6e-22:178:71//AL026601  
50 R-NT2RP2004207//Homo sapiens BAC clone GS421I03 from Xq25-q26, complete sequence.//0.19:175:64//AC005023  
R-NT2RP2004226//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y313F4, WORKING DRAFT SEQUENCE.//6.1e-17:445:64//AL023808  
55 R-NT2RP2004232//M.musculus (Balb/c) mRNA for serine/threonine protein kinase.//3.2e-25:326:71//Z34524  
R-NT2RP2004239//Homo sapiens lok mRNA for protein kinase, complete cds.//8.7e-108:563:94//AB015718  
R-NT2RP2004240//Homo sapiens antigen NY-CO-1 (NY-CO-1) mRNA, complete cds.//1.1e-101:530:93//AF039687

- R-NT2RP2004242  
 R-NT2RP2004245//Homo sapiens DNA sequence from PAC 455H14 on chromosome Xq21.3-22.3. Contains genomic marker DXS1203 with a CA repeat polymorphism, STSs and GSSs, complete sequence.//5.1e-08:236:65//AL023280
- 5 R-NT2RP2004270//Lycopersicon esculentum ldh2 gene.//0.98:259:61//Y10603  
 R-NT2RP2004300//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1068F16, WORKING DRAFT SEQUENCE.//5.0e-14:396:65//AL023913  
 R-NT2RP2004316//Homo sapiens EXT-like protein 2 (EXTL2) mRNA, complete cds.//1.5e-108:544:96//AF000416  
 R-NT2RP2004321//Caenorhabditis elegans cosmid F47B8, complete sequence.//0.0078:333:61//Z77662
- 10 R-NT2RP2004339//Homo sapiens PAC clone DJ1136G13 from 7q35-q36, complete sequence.//1.4e-75:306:86//AC005229  
 R-NT2RP2004347//RPC111-90N11.TJ RPC111 Homo sapiens genomic clone R-90N11, genomic survey sequence.//2.9e-87:494:92//AQ284548  
 R-NT2RP2004364//Human DNA sequence from clone 422F24 on chromosome 6q24.1-25.2. Contains a novel gene similar to C. elegans C02C2.5. Contains ESTs, STSs and GSSs, complete sequence.//4.2e-10:161:76//AL031010
- 15 R-NT2RP2004365//Plasmodium falciparum chromosome 2, section 70 of 73 of the complete sequence.//3.6e-08:483:57//AE001433  
 R-NT2RP2004366//F.rubripes GSS sequence, clone 013B16aF3, genomic survey sequence.//2.1e-05:128:67//AL000528
- 20 R-NT2RP2004373//Homo sapiens 12q24.2 BAC RPC111-407A16 (Roswell Park Cancer Institute Human BAC Library) complete sequence.//0.81:205:62//AC006065  
 R-NT2RP2004389//HS\_2183\_B2\_H04\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2183 Col=8 Row=P, genomic survey sequence.//3.9e-06:82:84//AQ063969
- 25 R-NT2RP2004392//Ceratovacuna sp. mitochondrial cytochrome oxidase I (3' end), cytochrome oxidase II (complete cds) and transfer RNA-Leu gene.//2.7e-06:495:58//L39993  
 R-NT2RP2004396//Homo sapiens BAC clone RG135C18 from 7q21, complete sequence.//6.4e-111:572:96//AC005164
- 30 R-NT2RP2004399//Arabidopsis thaliana chromosome I BAC F11M15 genomic sequence, complete sequence.//0.13:253:64//AC006085  
 R-NT2RP2004400//HS\_3238\_A2\_H11\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3238 Col=22 Row=O, genomic survey sequence.//5.1e-23:162:89//AQ211412  
 R-NT2RP2004412//Saccharomyces douglasii mitochondrial cytochrome c oxidase subunit I (COXI) gene, complete cds.//2.6e-09:458:60//M97514
- 35 R-NT2RP2004425//Human DNA sequence from clone 1052M9 on chromosome Xq25. Contains the SH2D1A gene for SH2 domain protein 1A, Duncan's disease (lymphoproliferative syndrome) (DSHP), part of a 60S Acidic Ribosomal protein 1 (RPLP1) LIKE gene and part of a mouse DOC4 LIKE gene. Contains ESTs and GSSs, complete sequence.//0.99:481:56//AL022718  
 R-NT2RP2004476//Rattus norvegicus activity and neurotransmitter-induced early gene 6 (ania-6) mRNA, 3'UTR.//5.3e-99:600:90//AF030091
- 40 R-NT2RP2004490//Homo sapiens chromosome 16, P1 clone 94-10H (LANL), complete sequence.//3.9e-115:575:97//AC005591  
 R-NT2RP2004512//Plasmodium falciparum MAL3P3, complete sequence.//0.00034:517:58//Z98547  
 R-NT2RP2004523//Homo sapiens clone DJ0800G07, complete sequence.//1.8e-115:571:97//AC004890
- 45 R-NT2RP2004538//Homo sapiens BAC clone RG318C11 from 7p14-p15, complete sequence.//1.7e-47:322:87//AC005091  
 R-NT2RP2004551//Homo sapiens Xp22 bins 45-47 BAC GSHB-665N22 (Genome Systems Human BAC Library) complete sequence.//0.035:511:58//AC005184  
 R-NT2RP2004568//T7C20-Sp6 TAMU Arabidopsis thaliana genomic clone T7C20, genomic survey sequence.//0.70:446:54//B08766
- 50 R-NT2RP2004580//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 136B1, WORKING DRAFT SEQUENCE.//2.2e-53:397:74//AL031768  
 R-NT2RP2004587//CIT-HSP-2376P22.TF CIT-HSP Homo sapiens genomic clone 2376P22, genomic survey sequence.//0.0079:223:63//AQ108976
- 55 R-NT2RP2004594//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-248F7, complete sequence.//5.3e-10:493:62//AC004605  
 R-NT2RP2004600//Homo sapiens full-length insert cDNA clone ZE04E06.//2.1e-70:343:99//AF086522  
 R-NT2RP2004602//Homo sapiens full-length insert cDNA clone YW26E09.//2.0e-96:528:93//AF086033

R-NT2RP2004614  
R-NT2RP2004655//Homo sapiens mRNA for leucine rich protein.//7.3e-117:587:96//AJ006291  
R-NT2RP2004664//Homo sapiens mRNA for KIAA0460 protein, partial cds.//1.8e-105:520:96//AB007929  
R-NT2RP2004675//Human elastin (ELN) gene, partial cds, and LIM-kinase (LIMK1) gene, complete cds.//3.4e-  
5 22:197:79//U63721  
R-NT2RP2004681//Rat notch 2 mRNA.//8.0e-30:276:78//M93661  
R-NT2RP2004689//Homo sapiens mRNA for KIAA0625 protein, partial cds.//1.6e-118:600:96//AB014525  
R-NT2RP2004709//Homo sapiens full-length insert cDNA clone ZD42A08.//3.5e-14:139:86//AF086259  
R-NT2RP2004710//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 126A5, WORKING  
10 DRAFT SEQUENCE.//6.9e-117:592:96//AL031447  
R-NT2RP2004736//Homo sapiens mRNA for KIAA0478 protein, complete cds.//4.2e-117:594:96//AB007947  
R-NT2RP2004743//Plasmodium falciparum 3D7 chromosome 12 PFYAC181 genomic sequence, WORKING  
DRAFT SEQUENCE, 8 unordered pieces.//0.53:403:59//AC005505  
R-NT2RP2004767//Human DNA sequence from PAC 491M17 on chromosome 1p36.2-1p36.3.//2.0e-81:568:84//  
15 Z97988  
R-NT2RP2004775//Anopheles quadrimaculatus NADH dehydrogenase subunits (1-4, 4L, 5-6); cytochrome oxi-  
dase subunits (1-3); adenosine triphosphatase subunits (6,8); cytochrome b; transfer RNA; ribosomal RNA (large  
and small subunits).//4.0e-08:365:62//L04272  
R-NT2RP2004791//Homo sapiens chromosome 5, BAC clone 282B7 (LBNL H192), complete sequence.//7.8e-  
20 111:541:98//AC005216  
R-NT2RP2004799//Homo sapiens ATP-specific succinyl-CoA synthetase beta subunit (SCS) mRNA, partial cds.//  
2.5e-114:564:96//AF058953  
R-NT2RP2004802  
R-NT2RP2004816//Homo sapiens H beta 58 homolog mRNA, complete cds.//2.7e-118:584:97//AF054179  
R-NT2RP2004841//Human BAC clone RG308B22 from 7q22-q31, complete sequence.//4.0e-46:447:72//  
AC002089  
R-NT2RP2004861//Plasmodium falciparum MAL3P5, complete sequence.//0.19:189:66//AL034556  
R-NT2RP2004897//Human Chromosome X clone bWDX187, complete sequence.//1.1e-08:330:61//AC004383  
R-NT2RP2004936//CIT-HSP-2374L4.TF CIT-HSP Homo sapiens genomic clone 2374L4, genomic survey se-  
30 quence.//0.99:129:65//AQ110571  
R-NT2RP2004961//RPC11-45P2.TK RPC11 Homo sapiens genomic clone R-45P2, genomic survey sequence.//  
9.3e-90:453:97//AQ202282  
R-NT2RP2004962//Caenorhabditis elegans DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y40H4,  
WORKING DRAFT SEQUENCE.//0.017:291:61//AL022573  
R-NT2RP2004967//Homo sapiens clone RG228D17, WORKING DRAFT SEQUENCE, 2 unordered pieces.//4.6e-  
52:496:77//AC005077  
R-NT2RP2004978//Homo sapiens chromosome 19, cosmid F23269, complete sequence.//0.088:322:63//  
40 AC005614  
R-NT2RP2004982//Homo sapiens BAC clone BK085E05 from 22q12.1-qter, complete sequence.//0.025:339:61//  
AC003071  
R-NT2RP2004985//T31H24TF TAMU Arabidopsis thaliana genomic clone T31H24, genomic survey sequence.//  
0.40:111:70//B78148  
R-NT2RP2004999//Homo sapiens clone NH0084K19, WORKING DRAFT SEQUENCE, 30 unordered pieces.//  
45 0.23:157:68//AC005682  
R-NT2RP2005000  
R-NT2RP2005001//Homo sapiens mRNA for KIAA0615 protein, complete cds.//3.0e-111:577:95//AB014515  
R-NT2RP2005003//Homo sapiens Xp22-132-134 BAC GSHB-590J15 (Genome Systems Human BAC library)  
50 complete sequence.//2.4e-21:246:77//AC004673  
R-NT2RP2005018//HS\_3108\_B1\_E09\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
nomic clone Plate=3108 Col=17 Row=J, genomic survey sequence.//1.9e-31:222:89//AQ104050  
R-NT2RP2005020//Rattus norvegicus cationic amino acid transporter-1 (CAT-1) mRNA, complete cds.//6.6e-41:  
55 566:73//U70476  
R-NT2RP2005031//CIT-HSP-516A2.TV CIT-HSP Homo sapiens genomic clone 516A2, genomic survey se-  
quence.//4.1e-31:357:75//B49897  
R-NT2RP2005037

# EP 1 074 617 A2

R-NT2RP2005038//Sequence 5 from patent US 5552281//2.2e-32:178:98//I25644  
R-NT2RP2005108//Mus musculus orphan nuclear hormone receptor (CAR) gene, complete sequence//3.7e-23:  
475:67//AF009326  
R-NT2RP2005116//Homo sapiens mRNA for KIAA0664 protein, partial cds//8.4e-104:518:97//AB014564  
5 R-NT2RP2005126//H.sapiens mRNA for RNA helicase (Myc-regulated dead box protein)//1.4e-67:464:85//  
X98743  
R-NT2RP2005139  
R-NT2RP2005140//Leishmania mexicana amazonensis kinetoplast (clone 29) maxicircle A+T-rich repetitive DNA  
sequence//7.9e-08:460:60//U00101  
10 R-NT2RP2005144//Homo sapiens chromosome 12p13.3 clone RPC11-372B4, WORKING DRAFT SEQUENCE,  
129 ordered pieces//2.5e-103:519:96//AC005911  
R-NT2RP2005147//Homo sapiens clone DJ1125K23, WORKING DRAFT SEQUENCE, 21 unordered pieces//  
0.068:100:75//AC004971  
R-NT2RP2005159//CITBI-E1-2506A8.TF CITBI-E1 Homo sapiens genomic clone 2506A8, genomic survey se-  
15 quence//0.90:113:71//AQ262104  
R-NT2RP2005162//Homo sapiens chromosome 17, clone HCIT307A16, complete sequence//5.0e-14:183:75//  
AC003041  
R-NT2RP2005168//Homo sapiens mRNA for E1B-55kDa-associated protein//7.5e-100:513:95//AJ007509  
R-NT2RP2005204  
20 R-NT2RP2005227//Homo sapiens PAC clone DJ0905J08 from 7p12-p14, complete sequence//7.2e-119:583:97//  
AC005189  
R-NT2RP2005239//Homo sapiens mRNA for putative tRNA splicing protein, partial//8.4e-62:312:98//AJ010952  
R-NT2RP2005254//Homo sapiens DNA sequence from PAC 262D12 on chromosome 1q23.3-24.3. Contains a  
Tenascin (Hexabrachion, Cytotactin, Neuronection, Myotendinous antigen)-LIKE gene and a mitochondrial/chloro-  
25 plast 30S ribosomal protein S14-LIKE gene preceded by a CpG island. Contains ESTs, genomic marker D1S2691  
and STSs//5.7e-09:328:62//Z99297  
R-NT2RP2005270//Plasmodium falciparum MAL3P8, complete sequence//2.3e-05:355:61//AL034560  
R-NT2RP2005276//Genomic sequence for Arabidopsis thaliana BAC F17F8, complete sequence//0.0014:541:  
58//AC000107  
30 R-NT2RP2005287//Cavia porcellus zinc finger protein (zfoC1) mRNA, complete cds//4.4e-69:459:86//L26335  
R-NT2RP2005288//Homo sapiens RCC1-like G exchanging factor RLG mRNA, complete cds//7.4e-124:594:98//  
AF060219  
R-NT2RP2005289//Homo sapiens mRNA for XRP2 protein//1.5e-110:545:96//AJ007590  
R-NT2RP2005293//Leishmania mexicana amazonensis kinetoplast (clone 29) maxicircle A+T-rich repetitive DNA  
35 sequence//1.1e-12:554:61//U00101  
R-NT2RP2005315//Homo sapiens DNA sequence from PAC 168L15 on chromosome 6q26-27. Contains RSK3  
gene, ribosomal protein S6 kinase, EST, GSS, STS. CpG island, complete sequence//9.5e-15:218:77//AL022069  
R-NT2RP2005325//Rattus norvegicus LIM homeodomain protein (LH-2) mRNA sequence//2.0e-72:478:88//  
L06804  
40 R-NT2RP2005336//\*\*\*ALU WARNING: Human Alu-J subfamily consensus sequence//7.3e-33:139:82//U14567  
R-NT2RP2005344//Human DNA sequence from PAC 128N22 on chromosome Xq25-Xq26.3. contains STS//  
0.094:451:60//297629  
R-NT2RP2005354//Homo sapiens mRNA for putative thioredoxin-like protein//1.3e-11:89:96//AJ010841  
R-NT2RP2005360//Homo sapiens clone RG023115, WORKING DRAFT SEQUENCE, 1 unordered pieces//0.046:  
45 266:60//AC005049  
R-NT2RP2005393//Homo sapiens chromosome 17, clone hRPK.85\_B\_7, complete sequence//6.0e-41:226:86//  
AC005695  
R-NT2RP2005407  
R-NT2RP2005436//Polistes annularis (clone pan117AAT) tandem repeat region//0.039:169:63//L10835  
50 R-NT2RP2005441//CIT-HSP-2338P5.TR CIT-HSP Homo sapiens genomic clone 2338P5, genomic survey se-  
quence//3.0e-38:263:88//AQ055548  
R-NT2RP2005453//CIT-HSP-2367N1.TR CIT-HSP Homo sapiens genomic clone 2367N1, genomic survey se-  
quence//0.67:409:59//AQ079845  
R-NT2RP2005457//Homo sapiens partial XPGC gene, exon 2//2.0e-42:315:82//X71342  
55 R-NT2RP2005464//CIT-HSP-2359C16.TF CIT-HSP Homo sapiens genomic clone 2359C16, genomic survey se-  
quence//1.0:251:60//AQ075816  
R-NT2RP2005465//Drosophila melanogaster, chromosome 2R, region 44D1-44D2, P1 clone DS08616, complete  
sequence//01251288:62//AC005457



- R-NT2RP2005472//Chlorarachnion CCMP621 small subunit ribosomal RNA, 5.8S ribosomal RNA, large subunit ribosomal RNA, U6 small nuclear RNA, small subunit ribosomal protein S13 (RPS13), pre-mRNA splicing factor PRP6 homolog, small subunit ribosomal protein 4 (RPS4), small nucleolar ribonucleoprotein E homolog (snRNPE), ATP-dependent clp protease proteolytic subunit homolog (CLPP), putative RNA polymerase II subunit (RNA POLII), and RNA helicase homolog (RNAHEL) genes, complete cds.//1.0:356:59//U58510
- 5 R-NT2RP2005476//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from MAL1P3, WORKING DRAFT SEQUENCE.//0.00092:421:60//AL031746
- R-NT2RP2005490//Homo sapiens clone NH0001P09, WORKING DRAFT SEQUENCE, 1 unordered pieces.//6.2e-71:187:100//AC006030
- 10 R-NT2RP2005491//paramecium species 5,311 mt dna dimer: replication init. region.//1.6e-10:403:62//K00917
- R-NT2RP2005495//Homo sapiens clone RG037F03, WORKING DRAFT SEQUENCE, 12 unordered pieces.//1.3e-25:208:82//AC005051
- R-NT2RP2005496//Human DNA sequence from clone 354N19 on chromosome 6q22. Contains the 3' part of the gene for Mannosyl-Oligosaccharide Alpha-1,2-Mannosidase (Man(9)-alpha-mannosidase, EC 3.2.1.113), a Cytochrome C Oxidase Polypeptide I (EC 1.9.3.1) pseudogene and a pseudogene similar to 60S Ribosomal Protein L13A. Contains genomic markers D6S287 and D6S1696, ESTs, STSs, GSSs and two CA repeat polymorphisms, complete sequence.//1.5e-22:196:84//AL022722
- 15 R-NT2RP2005498
- R-NT2RP2005501//Homo sapiens chromosome 17, clone hRPK.269\_G\_24, complete sequence.//7e-29:252:76//AC005828
- 20 R-NT2RP2005509//CIT-HSP-2060J6.TR CIT-HSP Homo sapiens genomic clone 2060J6, genomic survey sequence.//3.1e-53:402:84//B69979
- R-NT2RP2005520//Homo sapiens chromosome-associated protein-E (hCAP-E) mRNA, complete cds.//9.9e-109:570:94//AF092563
- 25 R-NT2RP2005525//Human clone JkA2 mRNA induced upon T-cell activation, 3' end.//5.1e-32:175:98//U38432
- R-NT2RP2005531//Homo sapiens PAC clone DJ0870F17 from 7q33-q36, complete sequence.//0.94:288:61//AC004911
- R-NT2RP2005539//Homo sapiens mRNA for NSI-binding protein (NS1-BP).//2.7e-106:560:94//AJ012449
- R-NT2RP2005540//Homo sapiens mRNA for KIAA0494 protein, complete cds.//5.3e-114:583:96//AB007963
- 30 R-NT2RP2005549//Homo sapiens \*\*\* SEQUENCING IN PROGRESS \*\*\* , WORKING DRAFT SEQUENCE.//0.91:287:58//AJ011929
- R-NT2RP2005555//Homo sapiens 12p13.3 PAC RPCIS-927J10 (Roswell Park Cancer Institute Human PAC library) complete sequence.//3.6e-05:222:66//AC004804
- R-NT2RP2005557//Homo sapiens PAC clone DJ1200I23 from 7p15, complete sequence.//8.2e-22:236:76//AC004996
- 35 R-NT2RP2005581//Homo sapiens clone DJ0693M11, WORKING DRAFT SEQUENCE, 7 unordered pieces.//7.2e-45:286:85//AC006146
- R-NT2RP2005600//Human polymorphic microsatellite DNA.//0.043:304:58//M99148
- R-NT2RP2005605//Human Cosmid g1572c190, complete sequence.//2.4e-17:163:77//AC000126
- 40 R-NT2RP2005620
- R-NT2RP2005622//jd432 Trypanosome Shotgun M13 genomic Trypanosoma brucei brucei genomic clone 11B7, genomic survey sequence.//0.010:308:58//B13538
- R-NT2RP2005637//Homo sapiens PAC clone DJ0555L14 from 7q34-q36, complete sequence.//2.5e-26:322:72//AC005996
- 45 R-NT2RP2005640//Mus musculus squamous cell carcinoma antigen 2 (Scca2) gene, complete cds.//0.030:370:60//AF063937
- R-NT2RP2005645//Plasmodium falciparum chromosome 2, section 35 of 73 of the complete sequence.//3.2e-08:355:62//AE001398
- R-NT2RP2005651
- 50 R-NT2RP2005654//Leishmania major Friedlin cosmid L5769, complete sequence.//0.96:216:66//AL031908
- R-NT2RP2005669//Homo sapiens nitrilase homolog 1 (NIT1) gene, alternatively spliced product, complete cds.//6.7e-117:594:95//AF069984
- R-NT2RP2005675//Homo sapiens growth suppressor related (DOC-1R) mRNA, complete cds.//1.8e-89:434:98//AF089814
- 55 R-NT2RP2005683//jd432 Trypanosome Shotgun M13 genomic Trypanosoma brucei brucei genomic clone 11B7, genomic survey sequence.//0.037:283:58//B13538
- R-NT2RP2005690//Homo sapiens clone DJ0425I02, WORKING DRAFT SEQUENCE, 5 unordered pieces.//1.5e-38:295:83//AC005478

# EP 1 074 617 A2

R-NT2RP2005694//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 3-106, complete sequence.//0.0026:414:57//AL010210  
R-NT2RP2005701  
R-NT2RP2005712//Homo sapiens mRNA for KIAA0799 protein, partial cds.//4.1e-104:503:98//AB018342  
5 R-NT2RP2005719//Caenorhabditis elegans cosmid LLC1, complete sequence.//0.83:275:61//Z82277  
R-NT2RP2005722//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 228H13, WORKING DRAFT SEQUENCE.//1.2e-21:199:75//AL031985  
R-NT2RP2005723  
R-NT2RP2005726//Homo sapiens clone DJ0609N19, WORKING DRAFT SEQUENCE, 3 unordered pieces.//2.6e-64:503:82//AC004842  
10 R-NT2RP2005741//Human Chromosome 11 pac pDJ393o15, WORKING DRAFT SEQUENCE, 8 unordered pieces.//2.5e-09:261:64//AC000384  
R-NT2RP2005748//RPC111-64K11.TK RPC111 Homo sapiens genomic clone R-64K11, genomic survey sequence.//0.00039:215:66//AQ239313  
15 R-NT2RP2005752//Homo sapiens TNFR-related death receptor-6 (DR6) mRNA, complete cds.//1.3e-40:223:96//AF068868  
R-NT2RP2005753//Homo sapiens I-1 receptor candidate protein mRNA, complete cds.//3.7e-103:494:98//AF082516  
R-NT2RP2005763//Homo sapiens DNA sequence from PAC 510L9 on chromosome 6p24.1-p25.3.//9.7e-34:172:86//AL022098  
20 R-NT2RP2005767//Human clone H3 mRNA.//2.5e-21:179:87//U03672  
R-NT2RP2005773//HS\_2168\_B1\_G12\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2168 Col=23 Row=N, genomic survey sequence.//0.99:212:63//AQ086414  
R-NT2RP2005775//Rabbit mRNA for endopeptidase, complete cds.//4.8e-98:591:88//D13310  
25 R-NT2RP2005781//Streptomyces sp. genomic DNA for sarcosine oxidase.//0.019:384:59//D10623  
R-NT2RP2005784//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1185N5, WORKING DRAFT SEQUENCE.//1.8e-102:490:99//AL034423  
R-NT2RP2005804//Homo sapiens chromosome 17, clone hRPK.147\_L\_13, complete sequence.//6.3e-16:481:63//AC005332  
30 R-NT2RP2005812//Caenorhabditis elegans cosmid F15810.//0.81:147:63//AF036696  
R-NT2RP2005815  
R-NT2RP2005835  
R-NT2RP2005841//Human DNA sequence from cosmid U209G1 on chromosome X.//1.5e-26:512:64//Z68873  
R-NT2RP2005853//Human DNA sequence from clone 1156N12 on chromosome X. Contains an STS and GSSs, complete sequence.//3.7e-16:340:64//AL009047  
35 R-NT2RP2005857//Human DNA sequence from cosmid U246D9 on chromosome X. Contains a histone H2B like pseudogene.//1.3e-09:331:65//AL021308  
R-NT2RP2005859//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 3-83, complete sequence.//0.0097:363:59//AL010152  
40 R-NT2RP2005868//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 3-18, complete sequence.//1.1e-07:508:60//AL008971  
R-NT2RP2005890//Mouse oncogene (ect2) mRNA, complete cds.//2.7e-31:500:67//AL11316  
R-NT2RP2005901//Homo sapiens T-cell receptor alpha delta locus from bases 752679 to 1000555 (section 4 of 5) of the Complete Nucleotide Sequence.//0.89:276:60//AE000661  
45 R-NT2RP2005908  
R-NT2RP2005933//Rattus norvegicus nucleoporin p54 mRNA, complete cds.//1.2e-40:285:80//U63840  
R-NT2RP2005942//Homo sapiens DNA sequence from PAC 142L7 on chromosome 6q21. Contains a Laminin Alpha 4 (LAMA4) LIKE gene coding for two alternatively spliced transcripts, a Tubulin Beta LIKE pseudogene, a Connective tissue growth factor (NOV, GIG) LIKE gene, A predicted CpG island, ESTs, STSs and genomic marker D6S416, complete sequence.//0.0011:480:58//Z99289  
50 R-NT2RP2005980//Homo sapiens Xp22 BAC GSHB-536K7 (Genome Systems Human BAC library) complete sequence.//8.9e-21:136:78//AC004616  
R-NT2RP2006023//HS\_2176\_B1\_C10\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2176 Col=19 Row=F, genomic survey sequence.//2.5e-66:369:95//AQ023148  
55 R-NT2RP2006038//Plasmodium falciparum chromosome 2, section 6 of 73 of the complete sequence.//0.00029:408:58//AE001369  
R-NT2RP2006043//Polistes annularis (clone pan117AAT) tandem repeat region.//0.032:195:62//L10835  
R-NT2RP2006052//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-420 genomic sequence, WORKING

# EP 1 074 617 A2

DRAFT SEQUENCE, 14 unordered pieces.//0.11:263:61//AC005140  
R-NT2RP2006069  
R-NT2RP2006071//Plasmodium falciparum 3D7 chromosome 12 PFYAC1122 genomic sequence, WORKING  
DRAFT SEQUENCE, 3 unordered pieces.//0.00044:333:61//AC004709  
5 R-NT2RP2006098//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 3-77, complete  
sequence.//4.1e-09:393:62//AL010151  
R-NT2RP2006100//HS\_2020\_A2\_H02\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-  
nomic clone Plate=2020 Col=4 Row=O, genomic survey sequence.//8.3e-53:304:92//AQ228761  
10 R-NT2RP2006103//Rat sodium-hydrogen exchange protein-isoform 3 (NHE-3) mRNA, complete cds.//1.5e-16:  
199:79//M85300  
R-NT2RP2006141  
R-NT2RP2006166//Human Chromosome 16 BAC clone CIT987SK-A-589H1, complete sequence.//8.2e-48:329:  
76//AC002045  
R-NT2RP2006184//RPCI11-6O16.TP RPCI-11 Homo sapiens genomic clone RPCI-11-6O16, genomic survey se-  
15 quence.//0.52:273:61//B49539  
R-NT2RP2006186//Homo sapiens mRNA for KIAA0654 protein, partial cds.//1.9e-108:553:95//AB014554  
R-NT2RP2006196//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 3-57, complete  
sequence.//4.2e-05:420:59//AL008981  
R-NT2RP2006200//Homo sapiens chromosome 12p13.3 clone RPCI1-96H9, WORKING DRAFT SEQUENCE,  
20 66 unordered pieces.//2.1e-100:409:96//AC006057  
R-NT2RP2006219//H.sapiens mRNA for DGCR6 protein.//3.8e-93:532:90//X96484  
R-NT2RP2006237//P.falciparum PK1 gene.//2.9e-08:481:59//X83707  
R-NT2RP2006238//Human chromosome 16 BAC clone CIT987SK-A-962B4, complete sequence.//3.5e-79:405:  
89//U91318  
25 R-NT2RP2006258//Human PAC clone DJ0899B21 from 7p15-p21, complete sequence.//2.2e-08:283:63//  
AC004008  
R-NT2RP2006261//H.sapiens mRNA for serine/threonine protein kinase EMK.//6.2e-13:234:68//X97630  
R-NT2RP2006312//Homo sapiens BAF57 (BAF57) gene, complete cds.//2.0e-108:542:97//AF035262  
R-NT2RP2006320//347J16.TVB CIT978SKA1 Homo sapiens genomic clone A-347J16, genomic survey se-  
30 quence.//1.2e-27:215:65//B17768  
R-NT2RP2006321//Human karyopherin beta 3 mRNA, complete cds.//1.7e-48:298:90//U72761  
R-NT2RP2006323//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 702J19, WORKING  
DRAFT SEQUENCE.//2.8e-104:524:96//AL033531  
R-NT2RP2006333//Homo sapiens PAC clone DJ0808A01 from 7q21.1-q31.1, complete sequence.//3.9e-33:298:  
35 78//AC004893  
R-NT2RP2006334  
R-NT2RP2006365//RPCI11-72I15.TK RPCI11 Homo sapiens genomic clone R-72I15, genomic survey sequence.//  
2.6e-35:217:92//AQ267043  
R-NT2RP2006393//\*\*\* SEQUENCING IN PROGRESS \*\*\* Homo sapiens chromosome 4, BAC clone B13E4;  
40 HTGS phase 1, WORKING DRAFT SEQUENCE, 10 unordered pieces.//8.0e-40:317:81//AC004046  
R-NT2RP2006436//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y738F9, WORKING  
DRAFT SEQUENCE.//3.2e-42:184:86//AL022345  
R-NT2RP2006441//Plasmodium falciparum microsatellite TA80 sequence.//0.00021:188:68//AF010568  
R-NT2RP2006454//Plasmodium falciparum chromosome 2, section 60 of 73 of the complete sequence.//0.30:265:  
45 60//AE001423  
R-NT2RP2006456//Homo sapiens clone 23566 mRNA sequence.//2.5e-104:532:96//AF052098  
R-NT2RP2006464//Homo sapiens mRNA for AND-1 protein.//6.6e-108:524:97//AJ006266  
R-NT2RP2006467//Sequence 50 from patent US 5691147.//8.3e-22:235:74//I76222  
R-NT2RP2006472//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1172A22, WORKING  
50 DRAFT SEQUENCE.//5.4e-12:407:62//AL034386  
R-NT2RP2006534//Dictyostelium discoideum actin 8 gene, 3' UTR.//0.44:111:65//M25216  
R-NT2RP2006554//Plasmodium falciparum chromosome 2, section 7 of 73 of the complete sequence.//0.19:392:  
58//AE001370  
R-NT2RP2006565//Sus scrofa SCAMP 1 gene, exon 9.//1.5e-13:292:68//AJ223742  
55 R-NT2RP2006571//Homo sapiens chromosome 19, cosmid F17972, complete sequence.//0.0024:409:58//  
AC004660  
R-nnnnnnnnnnnn//Human BRCA2 region, mRNA sequence CG005.//3.3e-16:334:64//U50532  
R-NT2RP2006598//Mus musculus retinoid X receptor interacting protein (RIP110) mRNA, partial cds.//1.6e-19:

- 448:64//J22015  
 R-NT2RP3000002//Human DNA sequence from cosmid N104C7 on chromosome 22, complete sequence.//4.4e-14:501:63//Z82246  
 R-NT2RP3000031//Homo sapiens mRNA for histone deacetylase-like protein (JM21).//5.9e-115:560:97//AJ011972  
 R-NT2RP3000046//Homo sapiens clone DJ0042M02, WORKING DRAFT SEQUENCE, 20 unordered pieces.//3.9e-57:402:83//AC005995  
 R-NT2RP3000047//Homo sapiens chromosome 17, clone hRPK.138\_P\_22, complete sequence.//1.0:158:66//AC005697  
 R-NT2RP3000050//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 451B21, WORKING DRAFT SEQUENCE.//2.7e-32:411:69//AL033522  
 R-NT2RP3000055//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1000N6, WORKING DRAFT SEQUENCE.//7.9e-17:309:69//AL034378  
 R-NT2RP3000072//Brassica rapa DNA for S-locus glycoprotein, complete cds.//2.9e-07:516:60//D88192  
 R-NT2RP3000080//Homo sapiens clone DJ1129D05, complete sequence.//1.7e-27:186:90//AC005630  
 R-NT2RP3000085//Arabidopsis thaliana acetyl-CoA carboxylase biotin-containing subunit mRNA, nuclear gene encoding chloroplast protein, complete cds.//0.0051:289:59//J-23155  
 R-NT2RP3000109//HS\_3065\_A2\_D04\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3065 Col=8 Row=G, genomic survey sequence.//2.5e-62:304:100//AQ137776  
 R-NT2RP3000134//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from MAL1P3, WORKING DRAFT SEQUENCE.//0.027:414:57//AL031746  
 R-NT2RP3000142//Homo sapiens mRNA for KIAA0592 protein, partial cds.//3.8e-115:578:96//AB011164  
 R-NT2RP3000149//Homo sapiens chromosome 17, clone hRPK.332\_H\_18, complete sequence.//1.3e-67:354:95//AC005746  
 R-NT2RP3000186  
 R-NT2RP3000197//Human DNA sequence from PAC 181N1 on chromosome X contains ESTs, STS polymorphic CA repeat.//2.5e-31:295:78//Z82899  
 R-NT2RP3000207//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-954B10, complete sequence.//0.016:305:61//AC004514  
 R-NT2RP3000220//RPC111-63O7.TJ RPC111 Homo sapiens genomic clone R-63O7, genomic survey sequence.//0.25:118:66//AQ201832  
 R-NT2RP3000233//Plasmodium falciparum mRNA for major merozoite surface antigen gp195.//3.2e-11:440:59//X15063  
 R-NT2RP3000235//Mus musculus chromosome 6 clone TB6 subclone TB6pD1//0.81:114:64//J19530  
 R-NT2RP3000247//Homo sapiens DNA sequence from clone 326L12 on chromosome Xq27.1 27.3. Contains the cancer/testis antigen CT7 (melanoma-associated antigen MAGE-C1) gene, two MAGE family pseudogenes, STSs and a CA repeat polymorphism, complete sequence.//4.8e-73:362:86//AL023279  
 R-NT2RP3000251//Homo sapiens chromosome 17, clone hRPK.192\_H\_23, complete sequence.//0.025:131:66//AC005726  
 R-NT2RP3000252  
 R-NT2RP3000255//HS-1025-B2-F08-MF.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 804 Col=16 Row=L, genomic survey sequence.//0.67:119:66//B34879  
 R-NT2RP3000267  
 R-NT2RP3000299//Rattus norvegicus mRNA for Crk-associated substrate, p130, complete cds.//1.2e-23:424:69//D29766  
 R-NT2RP3000312//Plasmodium falciparum MAL3P4, complete sequence.//0.55:414:59//AL008970  
 R-NT2RP3000320//HS\_3056\_A1\_C03\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3056 Col=5 Row=E, genomic survey sequence.//4.1e-32:214:89//AQ134064  
 R-NT2RP3000324//Rattus norvegicus potassium channel regulator 1 mRNA, complete cds.//1.5e-22:265:75//U78090  
 R-NT2RP3000333//Plasmodium falciparum MAL3P6, complete sequence.//0.68:460:57//Z98551  
 R-NT2RP3000341//H.sapiens mRNA for TIM17 preprotein translocase.//1.4e-19:137:90//X97544  
 R-NT2RP3000348//CITBI-E1-2513C11.TF CITBI-E1 Homo sapiens genomic clone 2513C11, genomic survey sequence.//0.0014:118:72//AQ278177  
 R-NT2RP3000350  
 R-NT2RP3000359//Homo sapiens clone NH0319F03, WORKING DRAFT SEQUENCE, 3 unordered pieces.//2.8e-55:320:75//AC006039  
 R-NT2RP3000361//Homo sapiens mRNA for KIAA0552 protein, complete cds.//0.18:275:61//AB011124

# EP 1 074 617 A2

R-NT2RP3000366//CIT-HSP-2317H13.TF CIT-HSP Homo sapiens genomic clone 2317H13, genomic survey sequence.//6.7e-42:214:100//AQ041634  
R-NT2RP3000397//HS-1012-B1-F01-MR.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 787 Col=1 Row=L, genomic survey sequence//0.015:184:63//B31814  
5 R-NT2RP3000403//Homo sapiens formin binding protein 21 mRNA, complete cds.//1.3e-109:529:98//AF071185  
R-NT2RP3000418//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 510B21, WORKING DRAFT SEQUENCE.//6.2e-15:445:65//AL031885  
R-NT2RP3000433  
R-NT2RP3000439  
10 R-NT2RP3000441  
R-NT2RP3000449//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1018D12, WORKING DRAFT SEQUENCE.//1.6e-43:300:76//AL031650 R-NT2RP3000451//3'untranslated region of human mRNA for a K<sup>+</sup> channel protein.//0.71:101:66//E13519  
R-NT2RP3000456//Human Xq28 cosmids U126G1, U142F2, U69B6, U145C10, U169A5, U84H1, U24D12, U80A7, U153E6, L35485, and R7-163A8 containing iduronate 2-sulfatase gene and pseudogene, complete sequence.//5.2e-16:376:65//AF011889  
15 R-NT2RP3000484//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 120G22, WORKING DRAFT SEQUENCE.//0.61:326:58//AL031847  
R-NT2RP3000487//Sequence 32 from patent US 5476781 //8.6e-08:409:61//I16692  
20 R-NT2RP3000512//RPC111-60F15.TK RPC111 Homo sapiens genomic clone R-60F15, genomic survey sequence.//2.2e-68:379:93//AQ201516  
R-NT2RP3000526//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 377F16, WORKING DRAFT SEQUENCE.//4.1e-07:224:65//Z93783  
R-NT2RP3000527//HS\_3228\_A1\_H07\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3228 Col=13 Row=O, genomic survey sequence.//4.5e-30:184:93//AQ209131  
25 R-NT2RP3000531//T6M24-Sp6 TAMU Arabidopsis thaliana genomic clone T6M24, genomic survey sequence.//0.67:88:68//AQ248538  
R-NT2RP3000542//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 126B4, WORKING DRAFT SEQUENCE.//2.0e-24:145:82//AL022316  
30 R-NT2RP3000561//Homo sapiens PAC clone DJ0942116 from 7q11, complete sequence.//6.1e-107:548:95//AC006012  
R-NT2RP3000562//HS\_2041\_B1\_E08\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2041 Col=15 Row=J, genomic survey sequence.//9.6e-55:279:98//AQ230207  
R-NT2RP3000578//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 3-105, complete sequence.//0.00060:356:58//AL010212  
35 R-NT2RP3000582//Homo sapiens chromosome 17, clone hCIT.468\_F\_23, WORKING DRAFT SEQUENCE, 3 unordered pieces.//4.2e-29:282:67//AC004666  
R-NT2RP3000584//Human PAC clone DJ222H05 from Xq25-q26, complete sequence.//7.4e-44:245:78//AC002377  
40 R-NT2RP3000590//Arabidopsis thaliana chromosome II BAC T31E10 genomic sequence, complete sequence.//0.66:341:59//AC004077  
R-NT2RP3000592//Plasmodium falciparum 3D7 chromosome 12 PFYAC181 genomic sequence, WORKING DRAFT SEQUENCE, 8 unordered pieces.//0.022:491:56//AC005505  
R-NT2RP3000599//HS\_3025\_A1\_D11\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3025 Col=21 Row=G, genomic survey sequence.//2.6e-21:161:88//AQ101452  
45 R-NT2RP3000599//Plasmodium falciparum MAL3P8, complete sequence.//1.3e-09:543:58//AL034560  
R-NT2RP3000605//Homo sapiens chromosome 19, cosmid F20900, complete sequence.//5.6e-115:554:98//AC006128  
R-NT2RP3000622//Homo sapiens chromosome 12p13.3, WORKING DRAFT SEQUENCE, 27 unordered pieces.//0.15:233:63//AC005414  
50 R-NT2RP3000624//CIT-HSP-2022D4.TR CIT-HSP Homo sapiens genomic clone 2022D4, genomic survey sequence.//1.0:166:66//B64262  
R-NT2RP3000628//Human BAC clone GS188P18, complete sequence.//5.3e-56:384:83//AC000115  
R-NT2RP3000632//Human cyclin-selective ubiquitin carrier protein mRNA, complete cds.//4.0e-61:438:85//U73379  
55 R-NT2RP3000644//Homo sapiens DNA from chromosome 19p13.2 cosmids R31240, R30272 and R28549 containing the EKLf, GCDH, CRTc, and RAD23A genes, genomic sequence.//1.0e-43:408:77//AD000092  
R-NT2RP3000661//F.rubripes GSS sequence, clone 148D22bB9, genomic survey sequence.//2.7e-17:234:69//

- AL005927  
 R-NT2RP3000665//Human chromosome 11 46b2 cosmid, complete sequence.//2.1e-42:526:72//U73645  
 R-NT2RP3000685//HS\_3007\_A2\_F02\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3007 Col=4 Row=K, genomic survey sequence.//1.6e-101:506:97//AQ118425  
 5 R-NT2RP3000690//Plasmodium falciparum MAL3P6, complete sequence.//1.3e-13:411:61//Z98551  
 R-NT2RP3000736  
 R-NT2RP3000742//Rattus norvegicus phospholipase C delta-4 mRNA, complete cds.//0.0071:231:65//U16655  
 R-NT2RP3000753//Homo sapiens DNA sequence from BAC 55C20 on chromosome 6. Contains a Spinal Muscular Atrophy (SMA3) LIKE gene overlapping with a beta-glucuronidase LIKE pseudogene. Contains a membrane protein LIKE pseudogene, a Glyceraldehyde 3-phosphate dehydrogenase (GAPDH) LIKE pseudogene, five predicted tRNA genes. Contains ESTs, GSSs (BAC end sequences) and a CA repeat polymorphism, complete sequence.//0.88:366:56//AL021368  
 10 R-NT2RP3000759//HS\_2055\_A2\_D09\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2055 Col=18 Row=G, genomic survey sequence.//0.45:251:60//AQ234828  
 15 R-NT2RP3000815//Homo sapiens chromosome 17, clone hRPK.209\_J\_20, complete sequence.//2.0e-20:293:72//AC005822  
 R-NT2RP3000825//Plasmodium falciparum MAL3P6, complete sequence.//0.0044:325:62//Z98551  
 R-NT2RP3000826//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1177I5, WORKING DRAFT SEQUENCE.//5.3e-25:375:72//AL022315  
 20 R-NT2RP3000836//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone Y214H10, WORKING DRAFT SEQUENCE.//1.3e-19:181:81//AL022344  
 R-NT2RP3000841//Homo sapiens, clone hRPK.1\_A\_1, complete sequence.//0.20:226:61//AC006196  
 R-NT2RP3000845//Homo sapiens chromosome 19, cosmid R33632, complete sequence.//6.8e-91:512:92//AC005781  
 25 R-NT2RP3000847//\*\*\*ALU WARNING: Human Alu-Sp subfamily consensus sequence.//7.9e-38:179:86//U14572  
 R-NT2RP3000850//Homo sapiens BAC clone GS166A23 from 7p21, complete sequence.//4.4e-48:505:76//AC005014  
 R-NT2RP3000852//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 97P20, WORKING DRAFT SEQUENCE.//2.9e-82:311:98//AL031297  
 30 R-NT2RP3000859  
 R-NT2RP3000865//Human DNA sequence from clone 23K20 on chromosome Xq25-26.2 Contains EST, STS, GSS, complete sequence.//1.2e-15:482:63//AL022153 R-NT2RP3000868//Fruitfly strain g20 mitochondrial DNA, A+T-rich region, partial sequence.//0.00045:260:59//AB003097  
 R-NT2RP3000869//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 330012, WORKING DRAFT SEQUENCE.//0.0058:172:64//AL031731  
 35 R-NT2RP3000875//H.sapiens /Hepatitis B virus fusion mRNA for mevalonate kinase.//1.4e-99:531:93//X75311  
 R-NT2RP3000901  
 R-NT2RP3000904//Genomic sequence for Arabidopsis thaliana BAC T7N9, complete sequence.//0.32:261:57//AC000348  
 40 R-NT2RP3000917//Plasmodium falciparum MAL3P7, complete sequence.//0.00092:456:58//AL034559  
 R-NT2RP3000919  
 R-NT2RP3000968//H.sapiens mRNA for ribosomal protein S15a.//4.5e-24:375:71//X84407  
 R-NT2RP3000980//Homo sapiens chromosome 17, clone hRPK.855\_D\_21, complete sequence.//0.36:186:62//AC006079  
 45 R-NT2RP3000994//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-420 genomic sequence, WORKING DRAFT SEQUENCE, 14 unordered pieces.//0.00052:413:60//AC005140  
 R-NT2RP3001004//Saccharomyces cerevisiae VAR1 gene, mitochondrial gene encoding mitochondrial protein, 3' processing site, partial sequence.//1.1e-07:330:64//U32857  
 R-NT2RP3001007//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 4-82, complete sequence.//0.045:286:61//AL010255  
 50 R-NT2RP3001055//Human DNA sequence from PAC 27K14 on chromosome Xp11.3-Xp11.4. Contains monoamine oxidase B (MAOB), ESTs and polymorphic CA repeats.//2.3e-56:348:91//Z95125  
 R-NT2RP3001057//H.sapiens HZF4 mRNA for zinc finger protein.//8.2e-84:531:86//X78927  
 R-NT2RP3001081//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from MAL1P3, WORKING DRAFT SEQUENCE.//1.1e-08:537:60//AL031746  
 55 R-NT2RP3001084  
 R-NT2RP3001096  
 R-NT2RP3001107

- R-nnnnnnnnnnn//Human Chromosome 15q26.1 PAC clone pDJ10k5 containing human DNA polymerase gamma (polg) gene, complete sequence.//7.4e-62:272:73//AC005316  
 R-NT2RP3001111  
 R-NT2RP3001113
- 5 R-NT2RP3001115//Homo sapiens PAC clone DJ0905J08 from 7p12-p14, complete sequence.//7.2e-112:550:97//AC005189  
 R-NT2RP3001116//CIT-HSP-2282K23.TR CIT-HSP Homo sapiens genomic clone 2282K23, genomic survey sequence.//0.000.13.160:69//AQ002011  
 R-NT2RP3001119//Human DNA sequence from clone 612B18 on chromosome 1q24-25.3 Contains exon from
- 10 gene similar to 40S ribosomal protein, first coding exon of dynamin 2 (DYNII). ESTs, STS, GSS, CpG Island, complete sequence.//5.9e-99:497:96//AL031864  
 R-NT2RP3001120  
 R-NT2RP3001126//Plasmodium falciparum MAL3P7, complete sequence.//0.035:266:56//AL034559  
 R-NT2RP3001133
- 15 R-NT2RP3001140//Homo sapiens mRNA for KIAA0762 protein, partial cds.//8.1e-114:549:97//AB018305  
 R-NT2RP3001147//Homo sapiens chromosome 17, clone HCIT187M2, complete sequence.//0.69:198:63//AC004448  
 R-NT2RP3001150//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 423B22, WORKING DRAFT SEQUENCE.//2.4e-108:542:97//AL034379
- 20 R-NT2RP3001155//Homo sapiens mRNA for AND-1 protein.//2.9e-116:563:98//AJ006266  
 R-NT2RP3001176//Plasmodium falciparum 3D7 chromosome 12 PFYAC69 genomic sequence, WORKING DRAFT SEQUENCE, 4 unordered pieces.//0.44:227:62//AC004688  
 R-NT2RP3001214//Borrelia burgdorferi plasmid lp25, complete plasmid sequence.//0.0023:381:61//AE000785  
 R-NT2RP3001216//RPCI11-18C15.TPC RPCI-11 Homo sapiens genomic clone RPCI-11-18C15, genomic survey
- 25 sequence.//7.0e-29:167:97//B88077  
 R-NT2RP3001221//Homo sapiens clone 14503, WORKING DRAFT SEQUENCE, 1 ordered pieces.//0.020:211:63//AC005827  
 R-NT2RP3001232//Homo sapiens DNA sequence from PAC 124C6 on chromosome 6q21. Contains genomic marker D6S1603, ESTs, GSSs and a STS with a CA repeat polymorphism, complete sequence.//2.7e-08:390:62//AL021326
- 30 R-NT2RP3001236//RPCI11-25C17.TKBR RPCI-11 Homo sapiens genomic clone RPCI-11-25C17, genomic survey sequence.//9.5e-41:217:88//AQ014003  
 R-NT2RP3001239//Human microtubule-associated protein 1B (MAP1B) gene, complete cds.//2.9e-21:438:63//L06237
- 35 R-NT2RP3001245//Homo sapiens DNA sequence from PAC 964D12 on chromosome 1q24-q25. Contains EST, GSS.//0.00026:439:59//AL021398  
 R-NT2RP3001253//HS\_3002\_A2\_H12\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3002 Col=24 Row=O, genomic survey sequence.//0.98:190:63//AQ251982  
 R-NT2RP3001260
- 40 R-NT2RP3001268//Homo sapiens clone DJ0959C21, WORKING DRAFT SEQUENCE, 2 unordered pieces.//0.012:509:57//AC004936  
 R-NT2RP3001272//Homo sapiens BAC clone NH0161H12 from 7p14-p15, complete sequence.//2.2e-22:134:87//AC005589  
 R-NT2RP3001274//Sequence 11 from Patent WO9517522.//0.0058:133:66//A45341
- 45 R-NT2RP3001281//Human DNA sequence from PAC 52D1 on chromosome Xq21. Contains CA repeats, STS.//4.4e-55:558:76//Z96811  
 R-NT2RP3001307//HS\_2058\_A1\_C06\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2058 Col=11 Row=E, genomic survey sequence.//7.2e-33:260:86//AQ305868  
 R-NT2RP3001318//Homo sapiens PAC clone DJ0649P17 from 7q11.23-q21, complete sequence.//0.27:210:65//AC004848
- 50 R-NT2RP3001325  
 R-NT2RP3001338//Rat tropoelastin gene, intron 17 (partial).//1.0:184:64//M86367  
 R-NT2RP3001339//Homo sapiens mRNA for KIAA0451 protein, complete cds.//1.2e-112:566:96//AB007920  
 R-NT2RP3001340//Homo sapiens HMG box factor SOX-13 mRNA, complete cds.//3.2e-86:450:95//AF083105
- 55 R-NT2RP3001355  
 R-NT2RP3001374//HS\_2184\_A2\_G04\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2184 Col=8 Row=M, genomic survey sequence.//3.7e-10:101:84//AQ024647  
 R-NT2RP3001383//Plasmodium falciparum chromosome 2, section 34 of 73 of the complete sequence.//7.4e-07:

- 279:63//AE001397  
 R-NT2RP3001384//Homo sapiens chromosome 19, cosmid R33907, complete sequence.//4.4e-75:382:97//AC005785  
 R-NT2RP3001392//HS\_3078\_B2\_D05\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3078 Col=10 Row=H, genomic survey sequence.//1.0:164:64//AQ140587  
 5 R-NT2RP3001396//RPC111-63N18.TJ RPC111 Homo sapiens genomic clone R-63N18, genomic survey sequence.//0.14:242:61//AQ238544  
 R-NT2RP3001398//Mus musculus zinc finger protein (Zfp64) mRNA, complete cds.//1.8e-10:193:72//U49046  
 R-NT2RP3001399  
 10 R-NT2RP3001407//Caenorhabditis elegans cosmid D1046, complete sequence.//0.0011:392:60//Z68160  
 R-NT2RP3001420//Human BAC clone GS165I04 from 7q21, complete sequence.//3.7e-29:412:74//AC002379  
 R-NT2RP3001426//Homo sapiens clone 24616 mRNA sequence.//1.1e-104:550:94//AF052158  
 R-NT2RP3001427//Caenorhabditis elegans cosmid K11D5//0.39:174:64//U53152  
 R-nnnnnnnnnnnn//Human nuclear pore complex-associated protein TPR (tpr) mRNA, complete cds.//1.4e-94:533:  
 15 91//U69668  
 R-NT2RP3001432//Homo sapiens DNA sequence from PAC 164C20 on chromosome 6q16.1-22.1. Contains ESTs and GSSs (BAC end sequences), complete sequence.//2.5e-12:415:61//AL009029  
 R-NT2RP3001447//Homo sapiens PAC clone DJ0828B12 from 7q11.23-q21.1, complete sequence.//5.6e-36:358:77//AC004903  
 20 R-NT2RP3001449//Homo sapiens clone 24497 mRNA sequence.//1.5e-100:499:97//AF070630  
 R-NT2RP3001453//Homo sapiens clone DJ0852024, WORKING DRAFT SEQUENCE, 2 unordered pieces.//4.0e-47:295:86//AC004906  
 R-NT2RP3001457  
 R-NT2RP3001459  
 25 R-NT2RP3001472//Crithidia fasciculata kinetoplast apocytochrome b gRNA-mRNA chimera, clone:24.//0.33:150:66//D13030  
 R-NT2RP3001490//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 3-103, complete sequence.//2.3e-08:483:60//AL010208  
 R-NT2RP3001495//Human oxidoreductase (HHCMA56) mRNA, complete cds.//4.4e-60:338:93//U13395  
 30 R-NT2RP3001497//Homo sapiens multiple membrane spanning receptor TRC8 (TRC8) mRNA, complete cds.//2.1e-110:549:97//AF064801  
 R-NT2RP3001527//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 1125A11, WORKING DRAFT SEQUENCE.//5.3e-32:310:78//AL034549  
 R-NT2RP3001529//Human Chromosome X, complete sequence.//5.5e-67:280:93//AC002420  
 35 R-NT2RP3001538  
 R-NT2RP3001554//Human microtubule-associated protein 1a (MAP1A) mRNA, complete cds.//7.8e-16:391:62//U38292  
 R-NT2RP3001580//Plasmodium falciparum 3D7 chromosome 12 PFYAC69 genomic sequence, WORKING DRAFT SEQUENCE, 4 unordered pieces.//0.00026:456:58//AC004688  
 40 R-NT2RP3001587//Homo sapiens HRIHFB2115 mRNA, partial cds.//5.6e-08:86:88//AB015337  
 R-NT2RP3001589//Homo sapiens chromosome 17, clone hRPK.1096\_G\_20, complete sequence.//0.066:360:60//AC005410  
 R-NT2RP3001607//CIT-HSP-2010M8.TR CIT-HSP Homo sapiens genomic clone 2010M8, genomic survey sequence.//0.041:194:67//B53490  
 45 R-NT2RP3001608//Human DNA sequence from PAC 296K21 on chromosome X contains cytokeratin exon, delta-aminolevulinic synthase (erythroid); 5-aminolevulinic acid synthase.(EC 2.3.1.37). 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase (EC 2.7.1.105, EC 3.1.3.46), ESTs and STS.//0.69:151:64//Z83821  
 R-NT2RP3001621//Human DNA sequence from clone 24o18 on chromosome 6p21:31-22.2 Contains zinc finger protein pseudogene, VNO-type olfactory receptor pseudogene, nuclear envelope pore membrane protein, EST, STS, GSS, complete sequence.//1.4e-46:354:83//AL021808  
 50 R-NT2RP3001629//H.sapiens simple DNA sequence region clone wg1a10.//0.99:137:63//X76572  
 R-NT2RP3001634//Homo sapiens TRIAD1 type I mRNA, complete cds.//8.5e-108:541:96//AF099149  
 R-NT2RP3001642  
 R-NT2RP3001646//HS\_3218\_A2\_A01\_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3218 Col=2 Row=A, genomic survey sequence.//2.6e-32:215:91//AQ303003  
 55 R-NT2RP3001671//Plasmodium falciparum DNA \*\*\* SEQUENCING IN PROGRESS \*\*\* from contig 3-88, complete sequence.//0.018:262:61//AL010157  
 R-NT2RP3001672



# EP 1 074 617 A2

R-NT2RP3001676//Homo sapiens cosmid Q95D4, chromosome 21 5' of IFNAR2.//2.1e-48:413:77//AF039905  
R-NT2RP3001678//RPC111-50C17.TK RPC111 Homo sapiens genomic clone R-50C17, genomic survey se-  
quence.//0.15:232:62//AQ116359  
5 R-NT2RP3001679//Homo sapiens genomic DNA of 8p21.3-p22 anti-oncogene of hepatocellular colorectal and  
non-small cell lung cancer, segment 3/11.//7.8e-104:549:95//AB020860  
R-NT2RP3001688//Homo sapiens PAC clone DJ1048B16 from 7q34-q36, complete sequence.//6.6e-41:291:86//  
AC006019  
R-NT2RP3001690//Plasmodium falciparum chromosome 2, section 52 of 73 of the complete sequence.//3.1e-07:  
433:59//AE001415  
10 R-NT2RP3001708//Homo sapiens allele 14 fragile site locus (FRA10B) minisatellite sequence.//6.0e-06:237:64//  
AF053523  
R-NT2RP3001712//CITBI-E1-2516N9.TF CITBI-E1 Homo sapiens genomic clone 2516N9, genomic survey se-  
quence.//1.5e-95:456:99//AQ279562  
R-NT2RP3001716//Homo sapiens chromosome Y, clone 264,M,20, complete sequence.//0.0012:346:58//  
15 AC004617  
R-NT2RP3001724//Human HepG2 3' region Mbol cDNA, clone hmd6a06m3.//1.3e-27:163:95//D17273  
R-NT2RP3001730//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 111B22, WORKING  
DRAFT SEQUENCE.//7.6e-43:409:76//Z98200  
R-NT2RP3001739  
20 R-NT2RP3001752//Human clone 23774 mRNA sequence.//1.9e-08:104:84//U79279  
R-NT2RP3001753//CIT-HSP-2379P21.TF CIT-HSP Homo sapiens genomic clone 2379P21, genomic survey se-  
quence.//8.8e-06:102:78//AQ113378  
R-NT2RP3001764  
R-NT2RP3001777//Human mRNA for heparan sulfate proteoglycan (glypican) //0.99:166:66//X54232  
25 R-NT2RP3001782//Homo sapiens mRNA for KIAA0459 protein, partial cds.//1.3e-111:549:97//AB007928  
R-NT2RP3001792//Mus musculus myelin gene expression factor (MEF-2) mRNA, partial cds.//1.6e-32:266:83//  
U13262  
R-NT2RP3001799//H.sapiens mRNA for OX40 homologue.//8.5e-44:374:79//X75962  
R-NT2RP3001819  
30 R-NT2RP3001844//Caenorhabditis elegans cosmid C54G7.//0.0042:231:63//U40410  
R-NT2RP3001854//Plasmodium falciparum strain Dd2 heat shock protein 86 (HSP86), O1 (o1), O3 (o3), O2 (o2),  
CG8 (cg8), CG4 (cg4), CG3 (cg3), CG9 (cg9), CG1 (cg1), CG6 (cg6), chloroquine resistance candidate protein  
(cg2), and CG7 (cg7) genes, complete cds.//1.0:404:59//AF030694  
R-NT2RP3001855  
35 R-NT2RP3001896//CIT978SK-A-686F10.TV CIT978SK Homo sapiens genomic clone A-636F10, genomic survey  
sequence.//0.0012:68:82//AQ116409  
R-NT2RP3001898//Homo sapiens Chromosome 11p15.5 PAC clone pDJ754h15 containing cdk-inhibitor p57/KIP2  
(CDKN1C) gene, complete sequence.//0.37:266:65//AC005950  
R-NT2RP3001915//Human BAC clone RG367O17 from 7p15-p21, complete sequence.//0.018:144:66//AC002486  
40 R-NT2RP3001926//Human polyadenylate binding protein (TIA-1) mRNA, complete cds.//2.4e-10:77:100//M77.142  
R-NT2RP3001929  
R-NT2RP3001931//Homo sapiens full-length insert cDNA clone YU73B11.//1.0e-110:562:96//AF087969  
R-NT2RP3001938//Human DNA sequence from PAC 447B16 on chromosome Xq13.1-Xq13.3.//0.38:386:56//  
Z95328  
45 R-NT2RP3001943//Homo sapiens chromosome 5, P1 clone 1076B9 (LBNL H14), complete sequence.//0.87:298:  
61//AC004500  
R-NT2RP3001944//Bos taurus clone CSSM056 satellite DNA sequence.//0.0095:76:78//U03836  
R-NT2RP3001969//Homo sapiens chromosome 12p13.3 clone RPC111-350L7, WORKING DRAFT SEQUENCE,  
72 unordered pieces.//7.0e-109:552:96//AC005844  
50 R-NT2RP3001989//Caenorhabditis elegans cosmid C01A2, complete sequence.//0.15:111:68//Z81029  
R-NT2RP3002002//Plasmodium falciparum 14-3-3 protein gene, partial cds.//0.016:286:60//AF065987  
R-NT2RP3002004//H.sapiens mRNA for FAST kinase.//5.1e-41:335:82//X86779  
R-NT2RP3002007  
R-NT2RP3002014//Human DNA sequence from clone 228A9 on chromosome 22q12.3-13.32 Contains 85 KDA  
55 CALCIUM-INDEPENDENT PHOSPHOLIPASE A2, EST, GSS, CpG island, complete sequence.//6.6e-41:297:86//  
AL022322  
R-NT2RP3002033  
R-NT2RP3002045//Drosophila melanogaster fat protein (fat) gene, complete cds.//0.77:320:60//M80537

# EP 1 074 617 A2

R-NT2RP3002054//Caenorhabditis elegans cosmid Y69H2, complete sequence.//0.82:362:57//Z98877  
R-NT2RP3002056//F.rubripes GSS sequence, clone 020E22bF7, genomic survey sequence.//0.010:185:63//Z87006  
R-NT2RP3002057  
5 R-NT2RP3002062//Human BAC clone RG356F09 from 7p21, complete sequence.//1.7e-17:164:81//AC004002  
R-nnnnnnnnnnnnn  
R-NT2RP3002081//HS\_3082\_A1\_G09\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3082 Col=17 Row=M, genomic survey sequence.//4.2e-25 :344:73//AQ122260  
R-NT2RP3002097//Homo sapiens Xp22-150 BAC GSHB-309P15 (Genome Systems Human BAC Library) complete sequence.//2.6e-23:212:80//AC006210  
10 R-NT2RP3002102//Homo sapiens BAC clone RG290G13 from 7q21, complete sequence.//0.43:168:64//AC004746  
R-NT2RP3002108//CIT-HSP-2346P16.TF CIT-HSP Homo sapiens genomic clone 2346P16, genomic survey sequence.//3.5e-08:110:78//AQ059071  
15 R-NT2RP3002146//Streptococcus gordonii competence factor (comC) and histidine protein kinase (comD) genes, complete cds, and response regulator (comE) gene, partial cds.//0.11:534:55//U80077  
R-NT2RP3002147//Human DNA sequence \*\*\* SEQUENCING IN PROGRESS \*\*\* from clone 329F2, WORKING DRAFT SEQUENCE.//4.1e-108:551:96//AL031710  
R-NT2RP3002151//Mus musculus mRNA for Guanine Nucleotide Regulatory Protein, complete cds.//6.8e-62:347:80//AB003503  
20 R-NT2RP3002163//Anolis pulchellus vitellogenin mRNA, partial cds.//0.77:281:63//U46857  
R-NT2RP3002165  
R-NT2RP3002166//D.sargus satellite DNA (clone PSE3).//0.81:124:62//Z48711  
R-NT2RP3002173  
25 R-NT2RP3002181//HS-1042-A2-F01-MR.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 824 Col=2 Row=K, genomic survey sequence.//1.3e-35:305:81//B36980  
R-NT2RP3002244//Caenorhabditis elegans cosmid R11E3.//0.0024:393:61//AF100669  
R-NT2RP3002248//Human DNA sequence from PAC 170A21 on chromosome 22q12-qter contains ESTs.//0.30:217:63//Z82189  
30 R-NT2RP3002255  
R-NT2RP3002273//Homo sapiens BAC clone 393I22 from 8q21, complete sequence.//0.84:463:57//AF070717  
R-NT2RP3002276//HS\_2260\_A1\_MF\_E07 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2260 Col=13 Row=I, genomic survey sequence.//0.0017:198:63//AQ292491  
R-NT2RP3002303//Human HMG-17 gene for non-histone chromosomal protein HMG-17.//7.4e-93:510:93//X13546  
35 R-NT2RP3002304//Human BAC clone GS188P18, complete sequence.//6.3e-09:477:59//AC000115  
R-NT2RP3002330//Plasmodium falciparum 3D7 chromosome 12 PFYAC69 genomic sequence, WORKING DRAFT SEQUENCE, 4 unordered pieces.//0.087:388:58//AC004688  
R-NT2RP3002343  
40 R-NT2RP3002351//Homo sapiens chromosome Y, clone 264,M,20, complete sequence.//0.20:489:56//AC004617  
R-NT2RP3002352//Homo sapiens mRNA for protein encoded by cxorf5 (71-7A) gene.//2.4e-104:516:94//Y15164  
R-NT2RP3002455//Homo sapiens mRNA for KIAA0678 protein, partial cds.//4.7e-102:524:95//AB014578  
R-NT2RP3002484  
R-NT2RP3002501//Human DNA sequence from PAC 92M18, BRCA2 gene region chromosome 13q12-13 contains BRCA2 exons 25, 26 and 27 ESTs and STS.//5.2e-17:232:75//Z73359  
45 R-NT2RP3002512  
R-NT2RP3002529//CIT-HSP-2340H2.TR CIT-HSP Homo sapiens genomic clone 2340H2, genomic survey sequence.//0.81:266:58//AQ057387  
R-NT2RP3002545//Homo sapiens mRNA for KIAA0729 protein, partial cds.//3.3e-82:438:94//AB018272  
50 R-NT2RP3002549//Medicago truncatula ENBP1 gene, exons 1 to 12.//0.95:381:56//AJ002479  
R-NT2RP3002566//HS\_2036\_A1\_D08\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2036 Col=15 Row=G, genomic survey sequence.//0.18:162:64//AQ230627  
R-NT2RP3002587//Homo sapiens clone DJ1090E20, WORKING DRAFT SEQUENCE, 4 unordered pieces.//5.1e-15:213:73//AC004956  
55 R-NT2RP3002590//Arabidopsis thaliana genomic DNA; chromosome 5, P1 clone: MXK3, complete sequence.//0.00010:431:59//AB019236  
R-NT2RP3002602//Mus musculus stannin gene, complete cds.//1.6e-20:339:70//AF030522  
R-NT2RP3002603